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TRACTOR SUPPLY CO.

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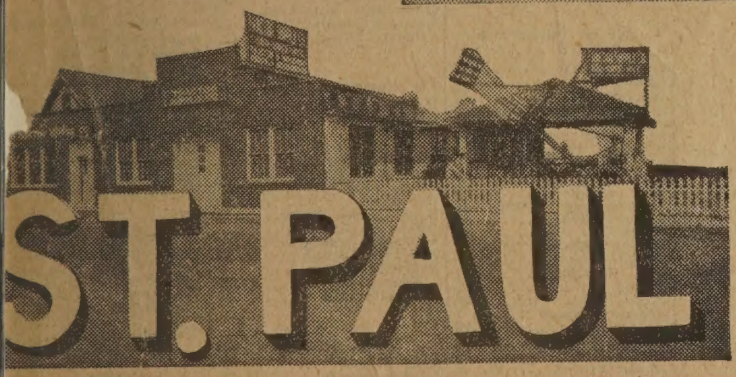

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Trasco
Quality
Farm Equipment

Precision
Tractor and
Implement Parts

REPLACEMENT PARTS for:

- IHC
- FORD
- CASE
- OLIVER
- John DEERE
- Allis CHALMERS
- MASSEY HARRIS
- MINN.-MOLINE

and others

Spring and Summer 1949

17 COMPL[illegible] STOCKS WITH SAME LOW PRICES

When Hours Count!

TELEPHONE OR TELEGR

There are busy days ahead—days when all your must work harder, longer, and more efficiently th time of the year. We, at TRACTOR SUPPLY C from Spring through Fall you wage a continual battle Days lost because of equipment failure are often the between a profitable and non-profitable year and many find that some "field repairs" must be made every year. of this situation we suggest you TELEPHONE or TELE your emergency orders to your nearest Farm Warehouse S

WHEN YOU TELEPHONE If you live in the near vicinity of a TRACTOR SUPPLY CO. Farm Warehouse Store your order can be handled faster by phone. The phone number of your local store, and your branch manager's name are listed below. Have your catalog at your elbow so you can quickly locate the items you want and save telephone expense. Your branch manager is a Farm Machinery Specialist who can fill your order quickly, and supply you with any information you need in relation to farm maintenance and repair.

WHEN YOU TELEGRAPH The greater distance you from a TRACTOR SUPPLY CO. Farm Warehouse Stor more practical and economical it is to TELEGRA order to get the fastest service. Address your T to your nearest Farm Store. BE SURE THESE F INCLUDED FOR EACH ITEM: Stock Number; P is all we need to know to have your order on its v in just a matter of minutes.

ALL TELEPHONE AND TELEGRAPH ORDERS ARE SHIPPED C.O.D. THE FASTEST W

Order From Your Nearest FARM WAREHOUSE STORE

CHICAGO, Ill.	J. Calhoon, Mgr. Phone: Buc. 1-5900	2682 N. Halsted St.
BLOOMINGTON, Ill.	J. Anderson, Mgr. Phone: 68430	210 S. Center St.
STERLING, Ill.	M. DeForest Mgr. Phone: 2412	406 Avenue "A"
OMAHA, Nebr.	W. Beal, Mgr. Phone: Market 3133	4615 S. 26th St.
COLUMBUS, Neb.	F. Walker, Mgr. Phone: 8102	2517 11th St.
KEARNEY, Nebr.	J. Schack, Mgr. Phone: 32011	2008 Avenue "A"
MINOT, No. Dak.	M. Page, Mgr. Phone: 37210	509 3rd St. NE.
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MASON CITY, Ia.	L. Ackmann, Mgr. Phone: 1203	17 7th St. SW.
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ENID, Okla.	W. Wilson, Mgr. Phone: 6039	116 W. Cherokee
FT. WORTH, Tex.	E. Love, Mgr. Phone: 22851	300 Calhoun St.
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17 Farm Warehouse Stores to Serve Lead *Communities*

WE PREPAY $20.00 SHIPMENTS WITH THESE CONDITIONS

1. If the total of items shipped is $20.00 or more—NOT including special items marked "Shipped Freight Collect" or "Not Prepaid," F.O.B. Factory or Warehouse. And if you send your order to your nearest Farm Warehouse Store.

2. If you send remittance in full with your order. (We cannot pay shipping charges on C.O.D.'s.)

Always total your complete order correctly, adding transportation charges and sales tax where applicable.

3. If you allow us to choose the most economical way to ship your order. When you request shipment by special means, such as parcel post when freight would be less expensive, we will allow you the amount of freight rate only—you must pay expense of shipping rate you request.

PROMPT DELIVERY — 6 HOUR SHIPMENT ON ALL MAIL ORDERS

OUR *Fair Deal* GUARANTEE

We GUARANTEE every item listed in this catalog to be honestly represented.

We GUARANTEE all merchandise sold by us to be of Tested & Proved Farm Quality, made specifically for farm use.

We GUARANTEE all Precision Tractor & Implement Parts to be equal to, or better than, original equipment—regardless of Make, Model, or Year of tractor or implement.

We GUARANTEE all Trasco Farm Equipment to be made of the highest quality materials, by the most skilled and experienced manufacturers in the Country, to give the finest performance and longest service of any equipment you can buy.

And we GUARANTEE you complete satisfaction on any purchase. If you are not completely satisfied, return merchandise immediately for full refund.

QUALITY . . . SERVICE . . . ECONOMY

QUALITY MERCHANDISE

Our Fair Deal Guarantee applies to all merchandise we sell. We can make this Guarantee because all merchandise we carry has been designed specifically for farm use, and has been "field tested" to our satisfaction for quality and service.

Precision Tractor & Implement Parts and Trasco Quality Farm Equipment are farm needs carried exclusively by TRACTOR SUPPLY CO. They are made for us by leading manufacturers in accordance with our insistence for the highest quality materials, and the most skilled and experienced workmanship. There is no compromise with quality in any item carried by TRACTOR SUPPLY CO.

SUPERIOR SERVICE

Whether you come into one of our Farm Warehouse Stores, or deal with us by Mail Order, you can be sure that your needs are attended to by qualified men only . . . men who know Farm maintenance and repair. Customers are serviced by Farm Machinery Specialists with an active understanding of Farm problems. Your counter service is prompt and courteous. Your mail orders are expertly filled and on their way to you in less than 6 hours. And now, for your added convenience, TELEPHONE and TELEGRAPH Orders are encouraged for emergency "field repairs." TRACTOR SUPPLY CO. is geared to serve you Quickly . . . Courteously . . . Efficiently.

PRICE POLICY

It is a long standing Company Policy to give you the best values in Farm Supplies.

We do not maintain artificial list prices that put some merchandise out of proportion to what you can afford to pay. Our streamlined factory-to-you operation —eliminating jacked-up distribution and handling costs—gives you the benefit of lowest prices. The volume of merchandise we buy for our 17 Farm Warehouse Stores gives us tremendous purchasing power with our manufacturers and affords substantial savings. These savings are also passed back to you on every item you BUY from TRACTOR SUPPLY CO.

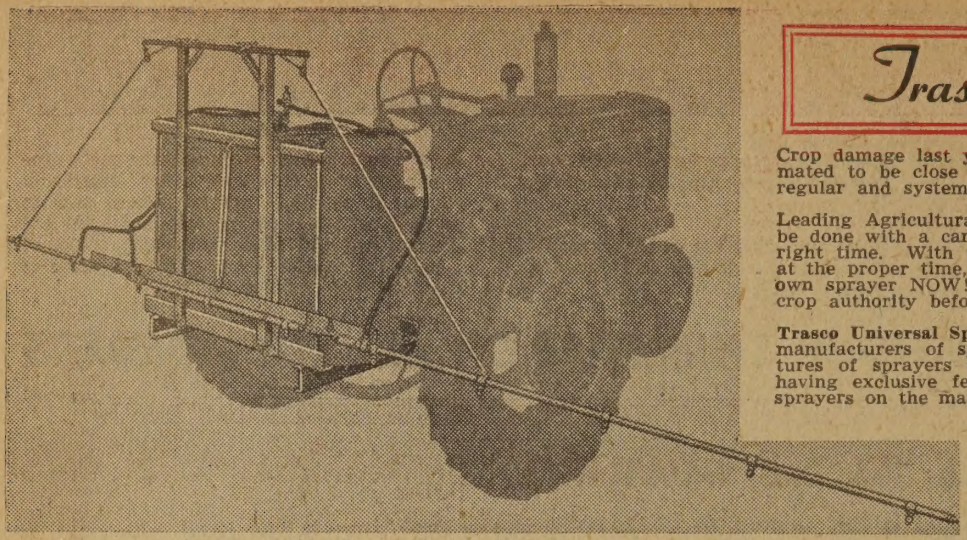
WILL YOU HELP US SAVE YOU MONEY?

Tractor Supply started in business 11 years ago believing that farm machinery repair parts cost the farmer too much. We have built our business on the sale of top quality repairs at common sense prices—by buying direct from major parts manufacturers and passing our volume buyer prices along to you with a minimum of expense and profit. We have added new parts lines, tools and equipment from time to time, always trying to offer you a better made article for far less money.

We want to add other parts and more equipment to our catalogs and in our farm warehouse stores. Naturally we want to add items in general need where the sales demand is greatest. Will you help us help you save on your machinery and supply purchases by suggesting repair parts, tools, and accessories you do not find listed in this catalog? Our buyers can find the items we should add to our lines, and you will save on your future purchases. Tell our managers, or enclose a note with your next order.

17 Farm Stores to Serve Leading Farm Communities

Trasco SPRAYERS



Crop damage last year alone, caused by weeds and insects, was estimated to be close to a billion dollars! Control YOUR crop loss by regular and systematic use of a Trasco Sprayer!

Leading Agricultural Colleges agree that effective spraying can only be done with a carefully prescribed spraying solution, at exactly the right time. With the risk involved in getting a commercial sprayer at the proper time, it becomes all the more important you own your own sprayer NOW! Be sure to consult your county agent or local crop authority before any spraying operation.

Trasco Universal Sprayers were designed for us by one of the leading manufacturers of spraying equipment. They have many of the features of sprayers selling for much more than our low price—plus having exclusive features that make Trasco one of the outstanding sprayers on the market today!

Be sure to specify Make, Model and Year of your tractor when ordering. This will assure a perfect fit and your complete satisfaction.

Trasco Universal 21-Ft. 6-Row Sprayer

Advanced design and construction permits easy operation and thorough spraying. SPRAYER IS COMPLETE with heavy duty tractor attaching brackets and barrel carrier. Dependable 1" gear pump complete with coupling for either 1⅛" or 1⅜" P.T.O. shaft. Corrosion resistant 21 ft. boom of ¾" aluminum pipe fitted with 13 (5-gal.) collar-locked Teejet nozzles spaced 20" apart for full 6-row coverage. Boom is hinged 3-section type, each section controlled by a separate valve. Control cluster is in easy reach of operator. All hoses and fittings included. The only thing you need is two 55-gallon barrels for carrying spray fluid. **$149.95**

Stk. No. 21A42—Wt. 240 lbs. **SHIPPED PREPAID**

Trasco Special Sprayer (less carrier)

21-ft. 6-row sprayer complete as Universal above, less barrel carrier and mounting brackets. At this special price you get 1" gear pump with coupling. 21-ft. 3-section boom complete with upright supports fitted with 13 (5-gal) Teejet nozzles spaced 20" apart Easy to reach control cluster. And all hoses and fittings for rigging included. **$119.95**

Stk. No. 21A40—Wt. 75 lbs. **SHIPPED PREPAID**

21-Ft. Boom Assembly

Complete with upright support. 21-ft. hinged 3-section boom made of ¾" aluminum pipe with 13 collar-locked Teejet (5-gal.) nozzles spaced 20" apart. Boom is tapped and fitted for ⅜" hose (hose not included). **$56.75**

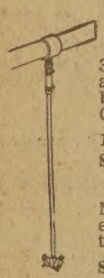
Stk. No. 21A35—Wt. 52 lbs. **SHIPPED PREPAID**

Trasco Sprayer for FORD Tractors

Has all the features of the Trasco Universal Sprayer listed above. SPRAYER IS COMPLETE with attaching brackets and single barrel carrier designed to utilize the hydraulic arm system of Ford, Ferguson Tractors. ½" gear pump driven by V-belt at 1750 RPM. 21-ft. 3-section boom fitted with 13 (5-gal.) Teejet nozzles spaced 20" apart for full 6-row coverage. Easy to reach cluster with separate control of each boom section. All hoses and fittings for rigging included. **$129.95**

Stk. No. 21A44—Wt. 110 lbs. **SHIPPED PREPAID**

Sprayer Attachments



BOOM DROPS for CORN BORER

32" boom drops for corn borer control. Made of ¼" aluminum pipe fitted with short rubber section for flexibility. Spraying heads adjustable through 360 degrees. Complete with 2 Veejet (5-gal.) nozzles. **$3.49**

1 DROP ONLY—Stk. No. 21A18—Wt. 1½ lbs. **Ea.**

SET OF 7 DROPS—Stk. No. 21A18X—Wt. 10 lbs. **Set $22.95**

BOOM EXTENSIONS

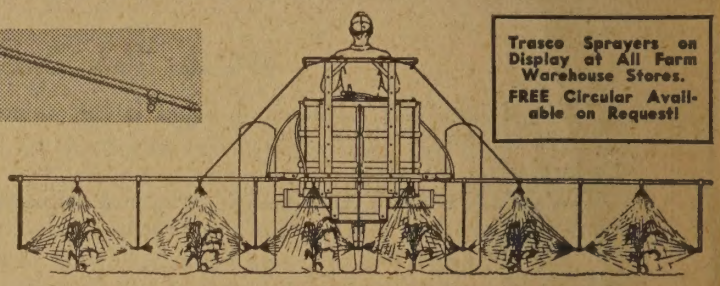
Made of ¾" aluminum pipe with 2 Teejet nozzles per extension. Increases boom length 80". Permits additional 2 row coverage. **$16.50**

Stk. No. 21A36—Wt. 8 lbs. **Pair**

HAND SPRAY BOOM

Operates from above spray units. Ideal for spraying small trees, cattle, barns, and fence rows. Complete with 25 ft. of ¼" hose and one wide angle nozzle that covers up to 89" at 60 lbs. pressure. Handy squeeze valve on lightweight handle.

Stk. No. 21A25—Wt. 5 lbs. **Each** **$15.95**



Trasco Sprayers on Display at All Farm Warehouse Stores.

FREE Circular Available on Request!

Compare These Trasco Features

- √ Sturdy Angle Iron Framework
- √ Independent Control of Boom Sections
- √ Double Hinged Booms Swing Up and Back
- √ Relief Valve By-Pass for Solution Agitation
- √ Finger Tip Control of All Operations From Seat
- √ 80" Boom Extensions Available

PARTS FOR YOUR SPRAYER

(A) RELIEF VALVE

Regulates spraying system to maintain constant set pressure you choose. Standard ½" pipe thread into boom supply pipe. ½" pipe thread for bypass return. 30 to 125 lbs.

Stk. No. 21A20—
3 lbs. ..... **Each $2.95**

(B) TEE-JET SPRAY NOZZLES

Made of brass with ⅛" pipe thread. Tips interchangeable. Built-in strainer. Will work at pressures low as 20 lbs. Flat fan spray.

Stk. No. 21A1—Sprays 5 gals. per acre..... **Each $1.10**
Stk. No. 21A2—Sprays 10 gals. per acre..... **Each $1.10**

TIPS ONLY FOR ABOVE

Stk. No. 21A3—5 gals. per acre. Tip ..... **Each 39c**
Stk. No. 21A4—10 gals. per acre. Tip ..... **Each 39c**

(C) DOUBLE SWIVEL CONNECTOR

For use with 2 Tee-Jet Nozzles. Sets in any position on 280° arc. Designed for corn borer spraying. ¼" inlet connection.

Stk. No. 21A10—
½ lb. ..... **Each $1.95**

CONNECTOR

Low priced double swivel connector (not pictured) for use with 2 "Teejet" nozzles. Sets in any position on 360° arc. ⅛" inlet connection.

St. No. 21A11—Wt. ½ lb. **98c**

(D) SUCTION STRAINER

Keeps foreign matter out. Attaches to intake hose in supply tank. All brass construction. Fits ¾" pipe thread. 200 mesh screen with inter-spring to prevent collapsing.

Stk. No. 21A19—
1½ lbs. ..... **Each $2.75**

(E) PRESSURE GAUGE

Control your spray gallonage with a check on your pressure system. Easy to read 2" dial face. Records accurately from 0 to 60 lbs. ¼" pipe thread base mounting.

Stk. No. 21A23—Wt. 1 lb. ..... **Each $1.10**

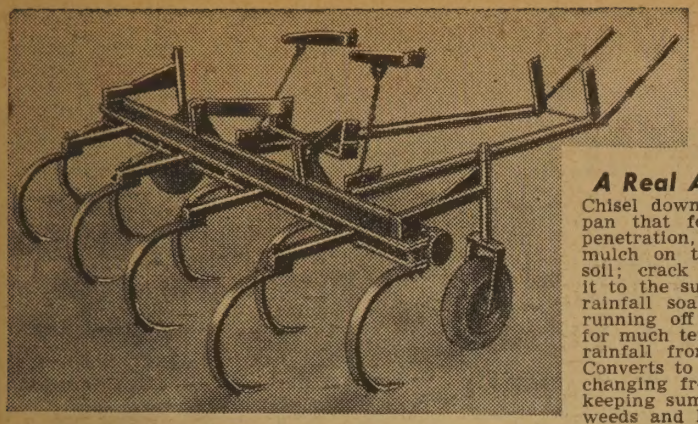
SPRAY HOSE

Extremely flexible, heavy duty spray hose, highly resistant to agricultural chemicals. Will not crack or deteriorate.

⅜" ID—**Stk. No. 21A33**—Wt. 3 oz. per ft..... ..... **Per Ft. 25c**
⅜" Hose Clamp for above hose—**Stk. No. 21A13**..... **Ea. 5c**

½" ID—**Stk. No. 21A34**—Wt. 4 oz. per ft..... **Per Ft. 35c**
½" Hose Clamp for above hose—**Stk. No. 21A14**..... **Ea. 5c**

You Can Be Sure of Extra Fast Service When You TELEPHONE or TELEGRAPH



Trasco CHISEL PLOW

TRACTOR MOUNTED, *Raise or Lower From Seat*
ADAPTABLE—MANUVERABLE—EASY TO USE

A Real Aid in Soil Conservation

Chisel down to 12" depth, crack the hardpan that forms just below normal plow penetration, aerate the soil, and leave a mulch on top. Chisels do not churn the soil; crack the hardpan without bringing it to the surface. With hardpan loosened, rainfall soaks into the subsoil instead of running off and eroding. Eliminates need for much terracing, as loosened ridges keep rainfall from washing downhill.
Converts to a high speed field cultivator by changing from chisels to sweeps, ideal for keeping summer fallowed ground free from weeds and hard crust.

Rugged Lifetime Construction

The Trasco Chisel Plow is built heavier and sturdier, on a simplified design that will eliminate maintenance costs. Manufacturer unconditionally guarantees the plow against breakage or damage in actual field cultivation.
Actual breakdown tests, in fields full of big rocks and boulders, failed to show a single case of damage to the plow. It will pull through any rocks that are not big enough to stall the tractor. And if you do stall on a rock, or submerged stump, the lift feature lets you reset and start forward without getting off the tractor seat.

GUARANTEED AGAINST BREAKAGE

You cannot believe the rugged construction of the Trasco Chisel Plow until you see it, and compare it against any other soil tilling implement you ever saw. Field tests have shown it to be indestructible. We unconditionally Guarantee to repair or replace any part of the plow broken in field work, except the chisel points or sweeps.

Main frame is 5½" diam. steel tubing, with double tool bar of¾"x4" chrome moly steel welded full length. Mounting holes in tool bar take ⅝" bolts, holes spaced evenly 2" apart all across tool bar for complete flexibility in setting spacing of chisels or sweeps. Spring steel shanks are 1" thick x 2" wide, extension arms are 2" x 2". Normal shank spacing is 14" apart, 5 shanks on 6' plow, 7 shanks on 8' plow, 9 shanks on 10' plow, 11 shanks on 12'.

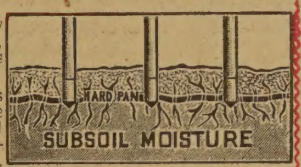
Full adjustable gauge wheels control plowing depth, are mounted on sealed Timken bearings, have 4.00x8 4-ply tires and tubes. Completely illustrated instructions are included to simplify installation. Original mounting takes about 1½ hours, thereafter can be quickly detached and mounted again in 15 minutes or less.

COMPLETE WITH LIFT BRACKETS

Each Plow is sold with complete set of mounting brackets, to connect to lift mechanism of tractor, for raising and lowering with tractor's power without leaving the tractor seat.

CONSERVE RAINFALL

Hardpan forms just below usual plow depth. Moisture cannot penetrate it, fills top soil, stands on surface or runs off.
Sketch at right shows how chisels crack hardpan, let moisture penetrate into subsoil, saving all of the rainfall for crop growth, and preventing erosion and soil washing caused by runoff.



6' Special for FORD TRACTORS

Chisel Plow to fit hydraulic lift on Ford and Ferguson tractors. Built lighter in weight to conform to strength need, without gauge wheels which are not necessary with lift system.
Stk. No. 52A6—Wt. 275 lbs. **$98.00**

SPECIAL MOUNTING for FARMALL F-20

Special hookup for use on IHC Farmall, F-20. Tractor must have hydraulic pump attachment (not furnished), to supply hydraulic fluid to 2-way ram cylinder which is furnished with mounting brackets. Order 8' or 10' plow as listed at right. No extra charge for ram cylinder.

DRAG TYPE PLOWS for OTHER MODELS

We can supply improved Pull Type Chisel Plows for makes and models of tractors not listed.
WRITE FOR ILLUSTRATED CIRCULAR. Shows Trasco Chisel Plow mounted on Your Tractor. Specify Make and Model of Your Machine.

MOUNTS ON TRACTOR—PULLS FROM FRONT

The Trasco Chisel Plow comes with custom designed mounting brackets to fit each of the tractor models below. The brackets are impressively strong and heavy, weight from 230 to 300 pounds depending on model. They have 3 sets of adjustments insuring full range of flexibility for various plowing needs, and being designed exactly to fit the models shown, they are easy to install, detach, and re-install.

Mounting brackets transmit the pull to the front of the tractor. There is no tendency to rear up, as with drag type implements, and the harder the pull the more noticeable is the front end mounting.

MOUNTING BRACKETS TO FIT THESE MODELS:

IHC FARMALL H, M, F-20*	**ALLIS CHALMERS WC**
JOHN DEERE A, B, G, GM	**MINN. MOLINE ZTU, UTU**
J. I. CASE DC, SC	**MASSEY HARRIS 44**
FORD* Ford FERGUSON*	**GIBSON H, I**

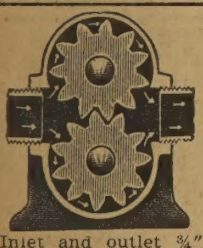
*See special application information lower left. Also available as Pull Type Drag Implement on special order to fit other models.

You must have a power lift on your tractor to use the mounted plow. On IHC H and M models, lift is from your IHC pump and Lift-All cylinders. On other models (except Ford and F-20) lift is from your power cultivator lift.

Each plow is sold complete with full set of mounting brackets for attaching, and connections to power lift, complete tool bar, gauge wheels, shanks, and special heat treated ½" x 2" chisel points. Full illustrated instruction sheets are furnished to further simplify mounting and dismounting. If you are interested, write for a complete pictured installation sheet showing how the plow mounts on your model.

8'	**SIZE.** For 2 plow tractors. **Stk. No. 52A8**—Specify Model. Plow wt. 580 lbs., brackets 230 to 300 lbs. more	**$240.00**
10'	**SIZE.** For 3 plow tractors. **Stk. No. 52A10**—Specify Model. Plow wt. 700 lbs., brackets 230 to 300 lbs. more.	**$285.00**
12'	**SIZE.** For 3-4 plow tractors. **Stk. No. 52A12**—Specify Model. Plow wt. 820 lbs., brackets 230 to 300 lbs. more.	**$330.00**

SHIPPED FREIGHT COLLECT from factory in Texas.
Store Prices Higher to Offset Freight Charges.



Rotary GEAR PUMPS

High quality bronze pumps designed for agricultural and industrial use. Corrosion resistant, efficient in performance, compact in size, and ruggedly built, meets all requirements for liquid transfer or pressure pumping. Well adapted to High Pressure Spraying.

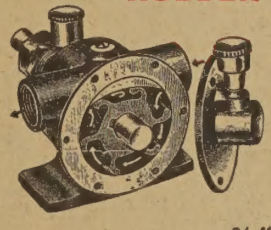
¾" PIPE THREAD

Inlet and outlet ¾", pump capacity at 1750 rpm. is 15 gallons per minute at pressures up to 100 pounds, or 21.8 gallons per minute free flow. At 600 rpm. delivers 4½ GPM at 100 lbs. pressure, 7 GPM free flow.
Stk. No. 21A30—7 lbs. Pump complete **$18.95**
BRASS ADAPTORS—Reduces ¾" thread on above pump to ½".
Stk. No. 21A17—Wt. 3 oz. **Each 29c**

1" PIPE THREAD

Same construction as pump above, but larger, with greater capacity. At 1750 rpm. pump delivers 19.1 GPM at 100 pounds pressure, 27.8 GPM free flow. At 600 rpm. delivers 5.3 GPM at 100 pounds pressure, 8.0 GPM free flow.
Stk. No. 21A31—8 lbs. Pump complete **$19.75**
BRASS ADAPTORS—Reduce 1" thread on above pump to ½"
Stk. No. 21A16—Wt. 4 oz. **Each 45c**

RUBBER PADDLE PUMPS



Drive from power takeoff, or by gas or electric motor. Pumps are reversible and self priming, develop high vacuum and pressures as stated. The rubber impeller is the only moving part, and is made of synthetic rubber to resist oil and chemicals, and is easily replaced.

Any liquid can be pumped, even with sand and abrasives, as the rubber impeller is flexible and not damaged. For use on home made weed sprayers, for irrigating, pumping out water, filling tanks, and many other farm uses.

¾" PIPE THREAD

Takes ⅓ or ½ HP. motor, or drives by belt and pulley from tractor. Best speed 1750 rpm., develops 25 lbs. pressure (60 ft. head), or will deliver up to 23 GPM at low pressure.
Stk. No. 19A75—7 lbs. Pump complete **$18.95**
EXTRA IMPELLER only for above. **Stk. No. 19A77**—8 oz. **$2.50**

1" PIPE THREAD

Takes ½ to 1 HP. motor, or drives by belt pulley from tractor. Best speed 1750 rpm., develops 50 lbs. pressure (115 ft. head), or will deliver up to 30 GPM. at low pressure.
Stk. No. 19A71—10 lbs. Pump complete **$28.50**
EXTRA IMPELLER only for above. **Stk. No. 19A72**—11 oz. **$3.50**

1¼" SIZE for POWER TAKEOFF MOUNTING

Heavy duty ball bearing pump, high output at low PTO speeds. Delivers 8 GPM. at 60 lbs. pressure, 14 GPM. at 30 lbs. pressure.
Stk. No. 19A70—15 lbs. Pump complete **$46.50**
EXTRA IMPELLER only for above. **Stk. No. 19A70X**—1 lb. **$6.50**
POWER TAKEOFF COUPLING, to connect 1¼" pump to tractor PTO shaft. **Stk. No. 19A76**—3 lbs. **$3.50**

For a Better Buy in Farm Supplies— Better Buy From TRACTOR SUPPLY

HARROW DISCS - TEETH - PARTS

HARROW DISCS

FORGED ALLOY STEEL STRONGER—LIGHTER HEAT TREATED FOR HARDEST SERVICE

Resilient Centers Absorb and Cushion Shock and Prevent Splitting

You will get extra service from these extra tough, specially forged harrow discs. Made of high carbon steel, of extra thickness, forged to shape, with edges hardened for maximum wear.
The special forging process used results in a refined grain in the steel, making it tougher and better able to withstand hard knocks and tough usage. The edges are hardened to hold their cutting edge longer and to withstand shocks, yet are not brittle. The center core remains resilient to cushion and absorb the shock of striking rocks, boulders, etc., and to prevent splitting and curling.

16" — Ship. wt. 7½ lbs.

Specify Center Hole Size
With 1⅛" center hole for ⅞" axle. **Stock No. 49A1.**
With 1⅛" center hole for 1" axle. **Stock No. 49A2.**
With 1⅜" center hole for 1⅛" axle. **Stock No. 49A3.**

$1.89 EACH

18" — Ship. wt. 10 lbs.

Specify Center Hole Size
With 1⅛" center hole for ⅞" axle. **Stock No. 49A4.**
With 1⅛" center hole for 1" axle. **Stock No. 49A5.**
With 1⅜" center hole for 1⅛" axle. **Stock No. 49A6.**

$2.55 EACH

One Way Plow Blades

22" DISCS

Highest quality tempered alloy steel discs, 22" diameter only, 3½" concavity, for 1" square axle as used on Krause and some other One-ways. 9 gauge premium quality steel. **Stk. No. 49A7.**

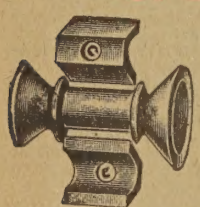
$6.25 EACH

BUMPER PLATES

Accurately cast gray iron bumper washers with holes centered, deeply recessed to give long wear.

For ⅞-Inch Axles	For 1-Inch Axles
⅞" Square hole for ⅞" Axles. 6¾" Outside. **Stk. No. 26A46.** Shp. wt. 5 lbs. Each **65c**	1" Square Hole for 1" Axles. 6¾" Outside. **Stk. No. 26A47.** Shp. wt. 5 lbs. Each **65c**

SPOOLS - BUSHINGS



Spools are sold each; Wood Bushings are in sets, complete for 1 spool.

Spools are made of Best Quality smooth iron castings, finished ready to use. Bushings are hard maple, thoroughly oil impregnated, built for long service.

For Deere 1" axle. Repl. KK2251B, KK2252B.
3-PC. SPOOL—**Stk. No. 26A10**.....Ea. $2.10
WOOD BUSHINGS—**Stk. No. 26A34**....Ea. 39c

For Deere ⅞" axle. Repl. KK14B.
SPOOL Only—**Stk. No. 26A11**.....Ea. 98c
WOOD BUSHING—**Stk. No. 26A31**.....Ea. 25c

For Deere ⅞" axle. Repl. KK126B.
SPOOL Only—**Stk. No. 26A12**.....Ea. 98c
WOOD BUSHING—**Stk. No. 26A31**.....Ea. 25c

For Deere 1" axle. Repl. KK1703B.
SPOOL Only—**Stk. No. 26A13**.....Ea. $1.00
WOOD BUSHING—**Stk. No. 26A33**.....Ea. 39c

For P & O ⅞" axle. Repl. PA1263.
SPOOL Only—**Stk. No. 26A16**.....Ea. $1.15
WOOD BUSHING—**Stk. No. 26A36**.....Ea. 25c

For Moline ⅞" axle. Repl. B1141A.
SPOOL Only—**Stk. No. 26A18**.....Ea. 95c
WOOD BUSHING—**Stk. No. 26A38**.....Ea. 25c

For Rock Island 1" axle. Repl. H346.
SPOOL Only—**Stk. No. 26A21**.....Ea. 98c
WOOD BUSHING—**Stk. No. 26A41**.....Ea. 25c

SPOOLS: Wt. 4 lbs. BUSHINGS: Wt. ¾ lb.

ALL METAL SPOOL and BEARING BOX SET for LATE IHC
SPOOL Only—repl. P3090. 1⅛" axle...**Stk. No. 26A9.** 5 lbs.....$1.98
UPPER Bearing Only—repl. P3089. **Stk. No. 26A7.** 2 lbs.....95c
LOWER Bearing Only—repl. P3089. **Stk. No. 26A8.** 2 lbs.....90c

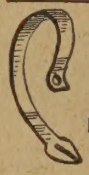
UNIVERSAL SPACING or SPREADER SPOOLS.
Fits all makes of disc harrows. Order correct center hole size. 6⅝" length, center circumference 1¾".
For All ⅞" Square axles, **Stk. No. 26A1.** 4 lbs. Each.....95c
For All 1" Square axles. **Stk. No. 26A2.** 4 lbs. Each.....$1.00

SPIKE HARROW TEETH

LOW AS **12c**

Fit all popular makes of spike tooth harrows—choose the shape and head style you need. Made of tough alloy steel to withstand shocks and bumps without breaking, hardened to resist wear.
(A) **HEADED and POINTED, Diamond Shaped, ⅝"x ⅞", 8" long. Stk, No. 17A89.** Wt. 10½ oz. EACH, 14c. 12 for..... **$1.45**
(B) **HEADED and POINTED, ½"x8" for wood frame or steel bar harrows. Stk. No. 17A88.** Wt. 9 oz. EACH, 14c. 12 for..... **$1.45**
(C) **SHOULDERED, THREADED, with Nuts.** ½" diam. with ⅜"x2" thread, 8" long. For pipe bars. Wt. 9 oz. EACH, 22c. **Stk. No. 17A87.** 12 for..... **$2.49**

SPRING HARROW TEETH

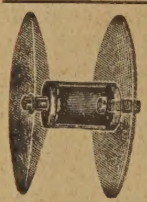


Made from tough alloy, high carbon steel for long wear. Tempered to provide spring and strength. Fit all popular harrows, pipe bar or U-bar construction. Choice of points, either regular or quack grass special.

A CHOICE OF FOUR TYPES OF TEETH

Picture (D) shows **pipe bar** mounting with regular tooth point.
Picture (E) shows **U-bar mounting** with Quack Grass point.
Average shipping weights, 5 lbs each. Packed 5 to a bundle.
For PIPE BAR Harrow, Regular Point. **Stk. No. 17A92.** Each, **95c**
For U-BAR Harrow, Regular Point. **Stk. No. 17A94.** Each.....
For PIPE BAR Harrow, Quack Grass point. **Stk. No. 17A93.** Each, **95c**
For U-BAR Harrow, Quack Grass point. **Stk. No. 17A95.** Each,

DISC EXTENSIONS



MAKE YOUR DISC HARROW A FOOT WIDER

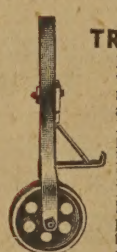
It is not necessary to tear your disc down to install these extensions. Extensions are iron castings, machined to fit your old disc. Be sure to order correct size to match the arbor hole on your disc.

BOLT DISC IN PLACE

Extensions are sold in pairs, each 6 inches wide. Simply bolt one to each end of your disc, bolt on another disc blade to the outside end, and your harrow makes a swath one foot wider than before. Complete with bolts, ready to install.
⅞" and 1" Arbors. **Stk. No. 26A50.** 20 lbs.....
1⅛" Arbors. **Stk. No. 26A51.** 20 lbs..... **$2.75**

DISC HARROW CARRIER

TRANSPORT YOUR DISC HARROW QUICKLY

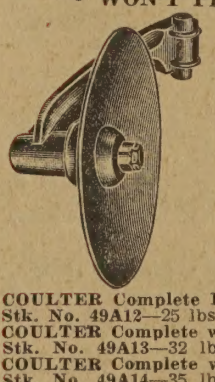


Now you can move your disc harrow to and from the field without damage to either the discs or roadway. You do not need to disassemble the disc—simply lift up and attach the clamps and it rolls freely behind your tractor. Load capacity up to 500 pounds per wheel—use two or four depending on the size and type of your harrow. Heavy steel wheels have tread 2½" wide to avoid sinking in soft ground.
Easy to mount and dis-mount without tools... All you need is an adjustable wrench to tighten bracket arm. Simply push wheel or carrier between the blades of the disc so that curved arm bracket catches the disc spool, lift up, and clamp to top of disc frame.

Stk. No. X-1080. Ship. wt., 26 lbs. each. **Each, $10.65** **Set of 2 $19.95** **Set of 4 $37.50**

DISC TYPE COULTER

• TURNS UNDER MORE TRASH •
• KILLS MORE CORN BORERS •
• WON'T PLUG UP IN WET OR DRY SOIL •



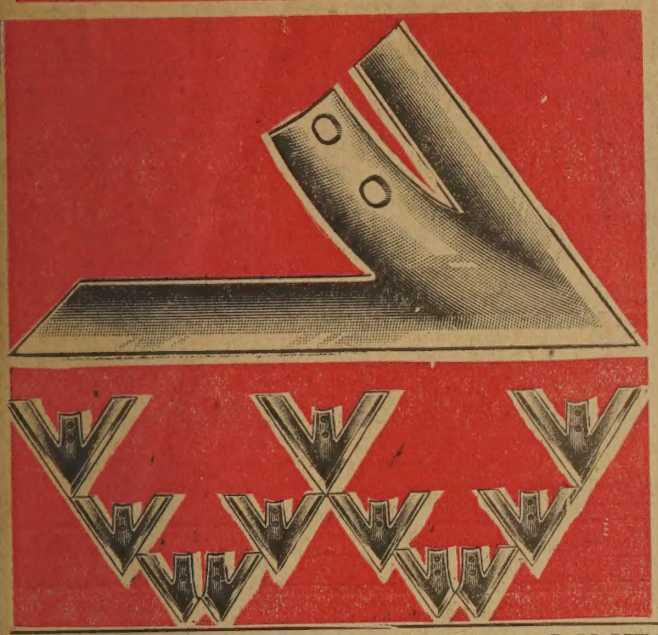
Will plow cleaner than any standard type coulter. Tests show that up to 95% of the trash and stubble left uncovered after ordinary plowing would be turned under with this Disc Type Coulter. Clean plowing and the complete burying of cornstalks are necessary for control of the corn borer in infested areas. Don't take a chance by leaving breeding places for next season's pests.

Bearing box permits use on any standard right hand plow. Fits plows with usual round shank 1¼" or 1½" diameters. Rugged construction, mounted on Timken roller bearings with effective dirt grease seals. Fitted with pressure grease fittings for easy lubrication. Use with any standard 16" or 18" disc harrow blade.

COULTER Complete Less Disc Blade.
Stk. No. 49A12—25 lbs..... **$19.95**
COULTER Complete with New 16" Disc Blade.
Stk. No. 49A13—32 lbs..... **$21.50**
COULTER Complete with New 18" Disc Blade.
Stk. No. 49A14—35 lbs..... **$22.25**

Buy With Confidence—Your Satisfaction is Guaranteed on Every Purchase

High Speed CULTIVATOR SWEEPS



FOR FAST TRACTOR CULTIVATING

These cultivator sweeps are especially designed for fast tractor cultivation. The extra flat crown prevents throwing dirt over the growing crop. The rounded crown insures free scouring, gives you clean sweeps at all times. Sweeps hold suction, giving uniform cultivation depth, getting all the weeds while leaving a smooth top mulch to hold moisture. Weeds and trash cannot drag, and the ground is ridge free for easy corn picker operation later on.

3/16" STEEL—FULLY GROUND—KNIFE SHARP EDGES
2 Hole Mounting on 2¼" Centers

***Fits:* IHC, Allis Chalmers, Oliver, Massey Harris Moline, and John Deere**

Complete Set of 11 Pieces

Buy Sweeps in Sets and Save! A full set costs you much less than the individual pieces and gives you better and more even cultivation. Each set complete as shown in the lower part of the illustration at the left.

INDIVIDUAL SWEEPS

Size	Stk. No.	Lbs.	Each
8" R.H.	17A2	1¼	69c
8" L.H.	17A3	1¼	69c
6" Full	17A4	1½	57c
8" Full	17A5	1¾	75c
10" Full	17A6	2¼	89c
12" Full	17A7	3	98c

SWEEP BOLTS—22 Pcs.
For above sweeps, sets at right.
Stk. No. 17A24—5 lbs.....$1.10

SET OF SMALL SWEEPS—All 8"
7 full sweeps, 8", and 4 half sweeps.
Stk. No. 17A12—16 lbs. .....SET **$7.50**

MEDIUM SIZE—8" and 10"
4 full sweeps 8", 3 full 10", 4 half sweeps. **Stk. No. 17A10—19 lbs. SET** **$7.85**

LARGE SIZE—10" and 12"
4 full sweeps 10", 3 full 12", and 4 half sweeps.
Stk. No. 17A1—23 lbs. .....SET **$8.75**

REVERSIBLE TOOTH POINTS

For all general cultivating purposes. High carbon steel, points sharpened and set, ready to use. Order the correct size and type for your cultivator. Bolts not furnished.

SIZE 1¾"x11"x¼". Two holes for ⅜" bolts on 1¾" centers as used on Case, Deere, Oliver, etc.
Stk. No. 17A71. Ship. wt., 1 lb. Each..... **43c**

SIZE 1¾"x11"x¼". Two holes for ⅜" bolts on 1¾" centers as used on IHC, Allis Chalmers, Ford-Ferguson, etc.
Stk. No. 17A72. Ship. wt., 1 lb. Each..... **43c**

SIZE 2"x8"x¼". Two holes for ⅜" bolts, as used on IHC, Case, Oliver and other spring tooth attachments. Corresponds to IHC part No. F-14280.
Stk. No. 17A73. Ship. wt., 1¼ lbs. Each..... **50c**

SIZE 2½"x10½"x⅜". Two holes for ⅜" bolts, as used on IHC, Case A-C, Oliver, and other stiff tooth attachments. Corresponds to IHC part No. F-11056.
Stk. No. 17A74. Shpg. wt., 1¾ lbs. Each..... **60c**

BOLTED TRACTOR SHOVELS

For Slotted Shank Cultivators. Full Polished Faces. High speed design for tractor cultivation. Reinforced point, narrow neck, full cutting edges, light draft. Sharpened and set ready for use.

6¼"x9"x¼" HIGH CARBON Steel.
Stk. No. 17A85—2½ lbs.....Each **85c**

5½"x8"x¼" SOFT CENTER Steel.
Stk. No. 17A84—With bolts. 2 lbs.....Each **$1.25**

6¼"x9"x¼" SOFT CENTER Steel.
Stk. No. 17A86—With bolts. 2½ lbs.....Each **$1.35**

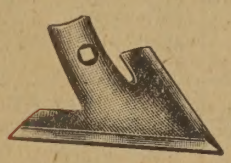
RENEWABLE PLOWSHARE EDGES

NO MORE SHARE SHARPENING
SAVE TIME—SAVE BOTHER
—SAVE MONEY

Thousands of farmers use and approve them. If you once try a set you'll never do without them. Hardened extra sharp, they are easy to apply and outlast average sharpening job 2 to 1.
Fit all general purpose plowshares—right hand only, and, when installed on shares conditioned to the proper shape, will fit perfectly. Instructions for installing included with each order.
Can be applied in a few seconds right in the field without bolts or welding. Will not loosen under any plowing condition, yet are easy to knock off when replacement is needed.
Made of high carbon steel for abrasive wear. Edges are oil tempered to eliminate brittleness and give resiliency and durability. Slice through the soil smoothly and easily, stay sharp and retain original shape and suck until completely worn out.

Stock No. 17A99. 12 inch
Stock No. 17A100. 14 inch
Stock No. 17A101. 16 inch
} Each **$1.79**

Average shipping weights, 4½ lbs. each.
Bundle of 6, any size..... $10.20

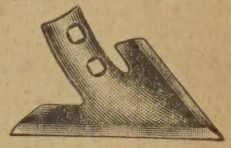


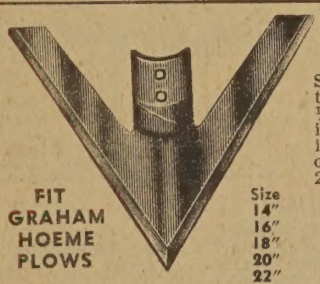
1 Hole SWEEPS for DEERE

As pictured at left. Same quality, high speed design as 2 hole type listed above, but with special shank and hole as required on most Deere cultivators.
Set contains 11 sweeps, 4 half sweeps, and 7 full sweeps, all 8" size for Deere. **Stk. No. 17A17**—15 lbs..... **$6.95**
BOLTS for Above—11 Pcs.
Stk. No. 17A25—3 lbs.....**Set, 60c**

SWEEP SET for FORD

Special long nosed pattern as used on Ford Dearborn and Ferguson cultivators. High speed design, 2 hole mounting.
Set contains 11 sweeps, 4 half sweeps, and 7 full sweeps, all 8" size for Ford.
Stk. No. 17A15—19 lbs. **$8.85**





FIT GRAHAM HOEME PLOWS

HEAVY DUTY STEEL SWEEPS

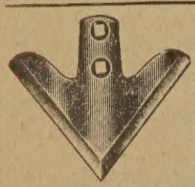
Same design as sweeps described at top of page except they are made of ¼" steel. Used principally for cleaning out land with large root weeds, or in rocky, trashy soil. Full sweep types only. Two ⅞" bolt holes, spaced on 2¼" centers. (Bolts not furnished.)

Size	Stk. No.	Shpg. Wt.	Each
14"	17A28	4½ lbs.	$1.30
16"	17A29	5½ lbs.	1.55
18"	17A30	6½ lbs.	1.95
20"	17A31	9 lbs.	2.95
22"	17A32	10 lbs.	3.25

¼" STEEL PLATE TRACTOR SWEEPS, LARGE SIZE

stalks, cutting down lister ridges, or cleaning middles.

Size	Stk. No.	Wt.	Price Each
24"	17A43	12 lbs.	$3.60
30"	17A44	16 lbs.	4.95
36"	17A45	19 lbs.	6.45
40"	17A46	23 lbs.	7.50



STIFF TYPE DUCKFOOT

For IHC, Case, Allis Chalmers, Oliver, Massey-Harris and other Stiff Tooth type cultivators. Made of ¼" crucible steel.

10" SIZE. Stk. No. 176A60.
Shpg. wt., 3 lbs. Each..... **98c**
12" SIZE. Stk. No. 17A61.
Shpg. wt., 3½ lbs. Each..... **$1.20**

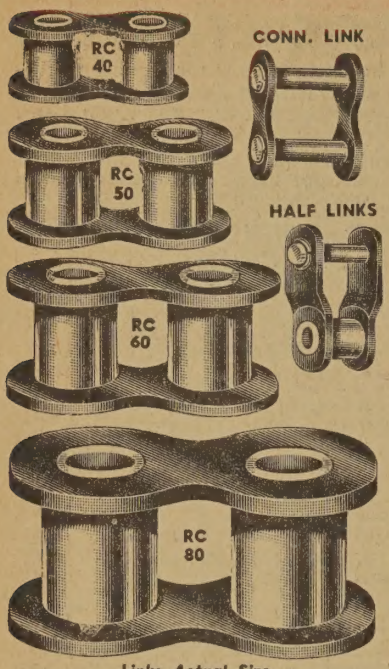
SPRING TYPE DUCKFOOT

For John Deere and other cultivators with Spring tooth. Made of ⅞" crucible steel, tumbled, varnished finish.

8" Size—Stk. No. 17A64—1¾ lbs.....EACH **79c**
10" Size—Stk. No. 17A65—2¼ lbs.....EACH **85c**
12" Size—Stk. No. 17A66—3 lbs.....EACH **$1.05**

Order MORE and Save MORE—We Prepay $20.00 Shipments—See Page 3

STEEL ROLLER CHAIN—SPROCKETS



Links Actual Size

ROLLER CHAIN SPROCKETS

Replace worn sprockets promptly and save excessive wear on your chain drive equipment. Precision built steel sprockets are correctly made, with accurately cut teeth, for full power transmission and long, silent service.

Sprockets listed conform to full S.A.E. and A.S.M.E. standards and are interchangeable with all standard American manufacturers chain drive equipment. Sprockets are supplied with minimum bore plain center hole, as pictured. The size of the center hole as the sprocket is supplied is shown in the column **"STOCK BORE."** Sprockets can be reamed out easily to fit special size shafts as needed, up to the size shown in the **"MAXIMUM BORE"** column. Sprockets have hub on one side only, other side is flat. The thickness of the sprocket, (the space it occupies on the shaft) is shown in the column **"HUB THICKNESS."**

ROLLER CHAIN FOR ALL TYPES OF FARM EQUIPMENT

RIVETED TYPE—HARDENED STEEL

Standard American roller chain, made for us by a leading supplier of original equipment. Chain is fully interchangeable with the same size of all other standard manufacturers, and will fit all standard sprockets on combines, corn pickers, elevators and other farm machines.

Chain is made of select steel, with wearing surfaces hardened for maximum chain life. Side plates are heavy to resist stretch, rollers are held to close tolerances for exact fit. Chain is of riveted construction, all assembled.

HOW TO ORDER ROLLER CHAIN

Roller chain is sold by the foot, and is cut to the length you order. Before ordering, check your old chains and sprockets to determine the correct pitch and width.

PITCH—is the distance between roller centers.

WIDTH—is the distance between the inside edges of the side bars.

Measure the length of the chains you need, or count the rollers as a double check. Order a connecting link to couple chain together. If odd number of rollers is needed, order an offset link (half link) to complete your chain.

Chain Number	Pitch	Width	No. of rollers in 10 feet	Wt. per ft.	Chain Per Ft.	Conn. Link	Ea.	Half Link	Ea.
RC-40	1/2"	5/16"	240	1/2 lb	85c	CL-40	10c	HL-40	28c
RC-50	5/8"	3/8"	192	3/4 lb.	95c	CL-50	11c	HL-50	32c
RC-60	3/4"	1/2"	160	1 lb.	1.25	CL-60	15c	HL-60	39c
RC-80	1"	5/8"	120	2 lbs.	2.00	CL-80	23c	HL-80	69c

ROLLER CHAIN SPROCKETS

For RC-50, 5/8" Pitch Chain

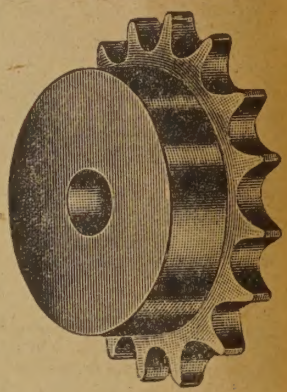
Number of Teeth	Outside Diam.	Stock Bore	Max. Bore	Hub Thickness	Stk. No.	Wt. Lbs.	Price Each
11	2.50"	5/8"	15/16"	1"	RC-511	3/4	2.25
12	2.71"	5/8"	1 1/8"	1"	RC-512	3/4	2.35
13	2.91"	5/8"	1 1/4"	1"	RC-513	1	2.45
15	3.31"	5/8"	1 9/16"	1"	RC-515	1 1/4	2.55
17	3.72"	5/8"	1 3/4"	1"	RC-517	1 3/4	2.95
18	3.92"	5/8"	1 7/8"	1"	RC-518	2	3.45
19	4.12"	5/8"	1 7/8"	1"	RC-519	2 1/4	3.65
21	4.52"	3/4"	1 7/8"	1 1/8"	RC-521	3	4.25

For RC-60, 3/4" Pitch Chain

11	3.00"	3/4"	1 5/16"	1 1/4"	RC-611	1 1/4	2.55
12	3.25"	3/4"	1 5/16"	1 1/4"	RC-612	1 1/2	2.75
13	3.49"	3/4"	1 1/2"	1 1/4"	RC-613	1 3/4	2.95
15	3.98"	3/4"	1 13/16"	1 1/4"	RC-615	2 1/2	3.45
17	4.46"	3/4"	2 1/4"	1 1/4"	RC-617	4 1/4	4.35
18	4.70"	3/4"	2 1/4"	1 1/2"	RC-618	4 1/2	4.65
19	4.94"	3/4"	2 1/4"	1 1/2"	RC-619	4 3/4	4.95
21	5.43"	3/4"	2 1/4"	1 1/2"	RC-621	5	5.95

For RC-80, 1" Pitch Chain

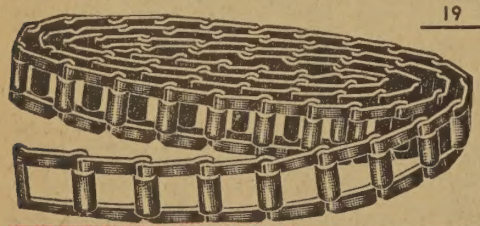
11	4.00"	15/16"	1 5/8"	1 3/8"	RC-811	2 1/2	3.35
12	4.33"	15/16"	1 3/4"	1 3/8"	RC-812	3	3.65
13	4.66"	15/16"	2"	1 3/8"	RC-813	4	3.95
15	5.30"	15/16"	2 1/2"	1 3/8"	RC-815	5	4.45
17	5.95"	15/16"	2 3/4"	1 5/8"	RC-817	7	5.65
18	6.27"	15/16"	2 3/4"	1 5/8"	RC-818	7 1/2	6.45
19	6.59"	15/16"	2 3/4"	1 5/8"	RC-819	8	7.25



STOCK BORES

Sprockets are supplied with minimum size center hole, as shown in **"STOCK BORE"** column. You can easily ream out the hole to fit your shaft needs. **We cannot supply special sprockets or ream to fit special shafts on stock orders.**

Sprockets are carried in stock in the most popular farm sizes. Be sure to match chain size you will use.



STEEL LINK CHAIN

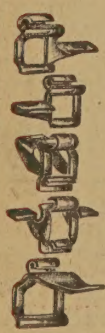
HARDENED FOR LONG WEAR

Hardened steel link chain for Binders, Harvesters, Combines and other farm machines. It is Guaranteed to be equal to, or better, than original equipment. Volume buying allows us to offer it to you at prices you would expect to pay for much inferior grades.

HOW TO ORDER LINK CHAIN

Since same size links are used in many applications on farm machines, you are offered the extra savings in buying chain in 10 ft. rolls. Check number of links on old chain for correct size—compare with column marked "No. of Links in 10 Ft." Order by "Link No."

ATTACHMENTS—LINKS



For #55 STEEL CHAIN
For double chain elevators

(A) G-27 RIGHT
Stk. No. 55-GR.....Ea. 9c

(B) G-27 LEFT
Stk. No. 55-GL.....Ea. 9c

For single chain elevators

(C) C-1
Stk. No. 55-C1.....Ea. 8c

(D) SD
Stk. No. 55-SD.....Ea. 7c

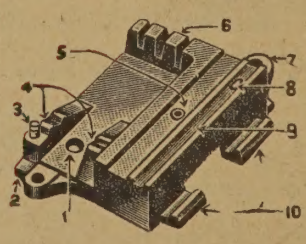
For #62 CHAIN

(E) HCP Corn Picker Links
Stk. No.. 62-HC.....Ea. 17c

CHAIN IN ROLLS

Link Number	No. of Links in 10 Ft.	Weight per 10 ft. Roll	Price Per 10 Ft. Roll
32	104	7 lbs.	1.95
42	88	9 lbs.	2.20
45	74	8 lbs.	2.20
52	80	16 lbs.	2.55
55	74	11 lbs.	2.35
62	73	15 lbs.	3.15
62H	73	18 lbs.	3.95
"D"	73	15 lbs.	4.95

FARMERS' REPAIR BLOCK



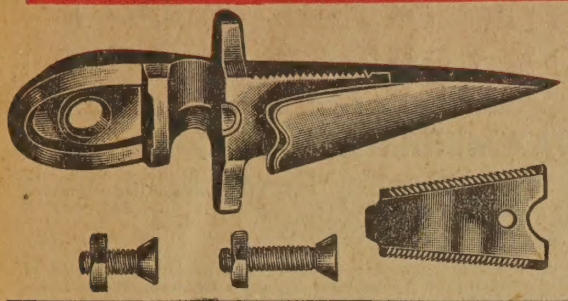
All purpose farm bench tool, ideal for making chain repairs.

1. For punching out guard rivets.
2. Mounting lugs.
3. Guard rivet post.
4. Convenient guard holders.
5. Section riveting post. 6. Steel chain detacher. 7. Mounting lug. 8. Punch out old rivets. 9. Shearing section points. 10. Handy arms hold sickle knife.

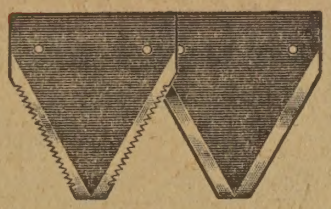
Stk. No. 20A70—Wt. 13½ lbs. .....Ea. **$2.98**

Regardless of Size, All Mail Orders Are Shipped Within Six Hours

MOWER REPAIR PARTS



GUARDS and SECTIONS



REGULAR GUARDS. Tough, long-wearing malleable iron like originals with serrated cutting plate riveted, ready to use. Guaranteed to be interchangeable.

ROCK GUARDS. Similar to regular guards except heavier. Especially needed for cutting in rocky or rough fields. Square backs allow guards to fit flush on sickle. Complete with cutting plate.

GUARD PLATES. Serrated rough like originals. Made of special analysis manganese steel. Boxes of 25.

SECTIONS. Manganese alloy steel for long wear. Heat treated and honed to maintain sharp cutting edges. Backs ground to a flat surface assures perfect alignment. Boxes of 25.

GUARD BOLTS

Correct head style. 2 lengths—long for guard and clip; regular for guard only.

5c EACH Either Length

	LONG Stk. No.	REGULAR Stk. No.
For X-320 Guard	X-350	X-351
For X-323 Guard	X-350	X-351
For X-321 Guard	X-352	X-353
For X-322 Guard	X-350	X-351

Mower Make and Model

McCORMICK DEERING Mowers, models after 1911. New 4, Big 4, Nos. 6 and 7, 1911 to date.

McCORMICK Mowers, early models before 1910. No. 4 and Vert. Lift machines 1892-1910.

DEERING Mowers, early models after 1905. Ideal, New Ideal, Ideal Giant, Etc.

DEERE, Deere-Dain, all models after 1910. Nos. 1 and 2, 4, Encl. Gear, One Horse, etc.

OSBORNE-Case, No. 5 and 8 Power Mowers, 1934 and up.

GUARDS

59c EACH

Avg. Wt. 2 lbs

Mfrs. No.	Stk No.
MD989 MA989	X-320
M462	X-323
D698	X-321
Z1 Z463	X-322
MT77	X-324

GUARD PLATES

$1.79 Box of 25

Avg. Wt. 4 lbs.

Mfrs. No.	Stk. No.
MA990	X-420
M219½	X-423
D1739	X-421
Z5110	X-422
O11565	X-424

SMOOTH SECTIONS

$1.79 Box of 25

Avg. Wt. 5 lbs.

Mfrs. No.	Stk. No.
MB333	X-220
MA333	X-223
D1140	X-221
Z5571	X-222
MT590S	X-224

ROUGH SECTIONS

$1.95 Box of 25

Avg. Wt. 5 lbs.

Mfrs. No.	Stk. No.
ME333	X-225
M333	X-228
C1864	X-226
Z7029	X-227
MT944	X-229

Complete MOWER KNIVES

LOW AS **$3.50**

Choice of regular smooth sections for average cutting, or heavy Under-serrated (Rough) sections for heavy crops. Heads are manganese alloy steel for extra service.

Mower Make & Model	Head No.	SMOOTH Stk. No.	SMOOTH PRICE COMPLETE	ROUGH Stk. No.	ROUGH PRICE COMPLETE
5 FOOT SIZE (Knife Head with 20 Sections) Wt. 12 lbs.					
McCORMICK, All No. 4 & 6 models 1896-1917; McCORMICK-DEERING, All Mowers after 1917 steel head.	M139 MA139	X-451	$4.35	X-461	$4.65
DEERING, used 1904-1912	D463	X-452	3.98	X-462	4.35
DEERING, used 1905-1912	D920	X-453	3.98	X-463	4.35
DEERING, used 1905-1926	DA920	X-454	4.35	X-464	4.65
DEERE, Deere-Dain, 1895-1922	Z45	X-455	3.98	X-465	4.35
DEERE, all mowers 1923 up	Z-502	X-470	3.98	X-480	4.35
6 FOOT SIZE (Knife Head with 24 Sections) Wt. 14 lbs.					
McCORMICK, All No. 4 & 6 Models 1896-1917; McCORMICK DEERING, All	MA139	X-456	4.35	X-466	4.65
DEERE, all mowers 1923 up	Z-502	X-471	4.35	X-481	4.65
7 FOOT SIZE (Knife Head with 28 Sections) Wt. 16 lbs.					
McCORMICK, All No. 4 & 6 Models 1896-1917; McCORMICK DEERING, All	M139 MA139	X-457	4.95	X-467	5.35
DEERE, all mowers 1923 up	Z-502	X-472	4.85	X-482	5.25

Full Length WEAR PLATES

Fits all standard mowers. New all one-piece, full length plate to replace individual plates. Gives full length bearing to knife, which keeps out trash, provides more even cutting, stops sagging, decreases draft on team or tractor. Stabilizes whole cutting structure and adds many years service to the mower.

Improved Type As Used on Hi-ways

For 5 FT. MOWERS	For 6 FT. MOWERS	For 7 FT. MOWERS
Stk. No. X-499. 2½ lbs. Each... **$1.19**	Stk. No. X-498. 3 lbs. Each... **$1.45**	Stk. No. X-497. 3½ lbs. Each... **$1.75**

Heavy Duty, All Steel GUARDS

One piece, non-shattering, all steel guards for heavy cutting or rough, rocky fields. Greater resistance to shock than conventional malleable, self polishing point for cleaner cutting.

Fits most any mower using 3" width sections. Replaces McCormick-Deering malleable guards MD-989, MF-989, M-2041; Deering D-698; Deere Z-463 and Z-591; Allis Chalmers 300740, and others. Interchanges with malleable guards but will give superior cutting if installed in full sets. **Stk. No. X-330.** Ship. wt. 1½ lbs. **EACH... 69c**

ROCK Guards

Heavier than regular malleable guards, designed for cutting in rocky fields. Cutter bar seat gives more rigidity. Complete with guard plates. Av. wt. 3 lbs.

For ALL DEERE Mowers normally using Z1 or Z463 guards.

Guard Complete. Stk. No. X-333. Each..... **65c**

Guard next to inner shoe only. Stk. No. X-334. Each.. **65c**

For All IHC (NOT Deering), replaces regular guard MD-989.

Guard Complete. Stk. No. X-336. Each..... **65c**

Guard, next inner shoe. Stk. No. X-337. Each..... **65c**

Guard, next outer shoe. Stk. No. X-338. Each..... **65c**

RIVETS

—No. 6 gauge rivets with thick oval heads —1 lb. pkgs. for sections, guard plates

½" long, mower section rivets. Stk. No. X-360. 1 lb. 25c

⅝" long, binder section rivets. Stk. No. X-361. 1 lb. 25c

ASST. For sections, knife heads, guard plates, etc. Stk. No. X-362 ..... 29c

KNIFE and SICKLE CLIPS

15c Each

Mower and mfrs. number repl.	Stk. No.
McCormick New 4, Big 4, 2-H M-1000	X-503
McCormick Deering 1926 and up MD-1000	X-504
McCormick Deering, MA-139 head MF-1000	X-500
Deering Ideal, New Ideal, etc. F-94	X-501
Deere, Deere Dain, Z6, Z5450 ..... Z-6060	X-502

PITMANS and Pitman Boxes

Pitmans are made of select hickory, fully ironed and ready to attach. Pitman boxes are improved hard oil type, better than originals. Pitmans average 5 lbs.; Boxes 2 lbs.

For All McCormick and McCormick Deering Mowers, 1892 to date.
PIT.—Repl. M392—No. X550 $2.65 PIT. BOX—Repl. ME317—No. X570 85c

For All Deering Mowers, 1901-26. 38⅜" Long
PIT. Repl. D2907—No. X551 $2.65 PIT BOX—Repl. G191—No. X571 85c

For Deere, Deere-Dain, 1922 to date, 42¼" Long
PIT.—Repl. Z5662—No. X552 $2.98 PIT. BOX—Repl. Z513—No. X572 98c

You Will Always SAVE When You BUY From TRACTOR SUPPLY

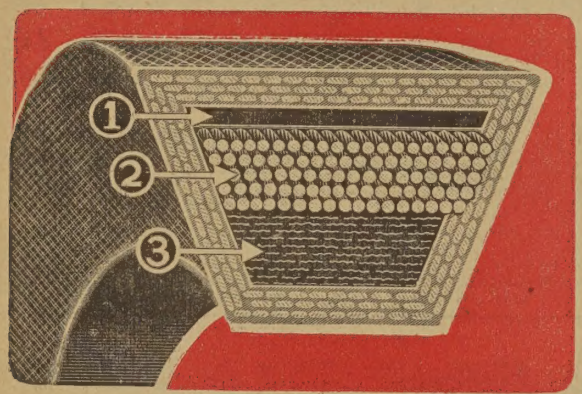
Thermoid ENDLESS HAMMERMILL BELTS

For THRESHERS, HAMMERMILLS and Other Farm Machines Where a Top Grade, Raw-Edged, Easy Flexible Belt Is Desired.

These Thermoid, Grade "A," Nationally Advertised Belts are built for maximum service on Hammermills. Will also prove vastly superior on **Threshers, Ensilage Cutters, Wood Saws, Severe Tractor Drives** and all other equipment using an endless belt.

Made of specially woven, extra heavy fabric. Layers of skim between each ply insure maximum cushioning and flexibility. These extra layers between the plies prevent separation. There are no splices to come apart as the belt is made endless by a continuous wind process. The square, protected edges assure a smooth running and highly flexible belt that is unequalled for wear.

40 Ft. Long, 6 In. Wide. 4 ply. Stk. No. BH-6404. Each	$39.95	50 Ft. Long, 7 In. Wide. 4 ply. Stk. No. BH-7504. Each	$56.25
50 Ft. Long, 6 In. Wide. 4 ply. Stk. No. BH-6504. Each	$48.75	60 Ft. Long, 7 In. Wide. 4 ply. Stk. No. BH-7604. Each	$64.50
60 Ft. Long, 6 In. Wide. 4 ply. Stk. No. BH-6604. Each	$55.95	75 Ft. Long, 7 In. Wide. 4 ply. Stk. No. BH-7754. Each	$78.00
75 Ft. Long, 6 In. Wide. 4 ply. Stk. No. BH-6754. Each	$67.50	100 Ft. Long, 7 In. Wide. 4 ply. Stk. No. BH-71004. Each	$99.50



COMBINE V-BELTS

SUPERIOR CONSTRUCTION GUARANTEES LONGER LIFE

COVERED FOR PROTECTION

Our combine V-belts are of top quality, for longer operating life under tough combining conditions.

The tough cover keeps out dust, grit, and moisture and prevents premature wear of the belt.

The tension section (1) is your insurance against belt overheating. The cord section (2) contains tough rubber impregnated cables for extra pulling strength. The compression section (3) is made of fibrous materials to provide cross section rigidity.

100% DEPENDABILITY

Combine V-belts are called upon for the toughest kind of service, and a belt has to be rugged to withstand the extreme conditions of heat, stress, dust and grit.

These belts are guaranteed to provide all of the most modern construction features to provide positive grip, flexibility to cling to small pulleys, strength to withstand shocks, plus a tight cover to keep out dust.

WEIGHTS: Belts under 48", 2 lbs. 49 to 60", 3 lbs. 60 to 72", 3 lbs. 72 to 100", 5 lbs. over 100", 7 lbs.

For IHC McCormick Deering Combines

Belt Location	Mfrs. part number	BELT SIZE	STOCK NUMBER	EACH
Model 42				
Cylinder (2 used)	16647K	1 13/32 x 63	B-286	$ 9.15
Separator (Dbl. V)	16648K	3/4 x 180	B-285	8.35
Reel (Ground driven)	16649K	1/2 x 91 1/2	B-214	2.33
Reel (Power driven)	18669K	1/2 x 138 1/2	B-215	3.65
Fan	18202K	3/4 x 45	B-216	1.75
Grain & Tailings Elev.	18203K	3/4 x 136	B-217	4.75
Grain Bin Unloader	18204K	3/4 x 41 1/4	B-218	1.65
Upper Feeder	16650K	1/2 x 77	B-219	1.85
Models 60 and 61, 1937-40				
Straw Spreader	11464K	3/4 x 87 3/4	B-203	$ 2.55
Front Beater (1937-39)	11206K	3/4 x 77	B-220	2.65
Reel (1938-40)	14635K	3/4 x 100	B-221	3.55
Pickup (1937-38)	13988K	3/4 x 115	B-222	3.98
Pickup (1939-40)	15166K	3/4 x 121	B-223	4.15
Auger	24510K	3/4 x 70 3/4	B-224	2.45
Model 62				
Cylinder	21789K	1 1/4 x 91 1/2	B-290	$15.50
Straw Spreader	19894K	3/4 x 121	B-223	4.15
Reel Shaft	20365K	3/4 x 88	B-203	2.55
Upper Feeder Canvas	20399K	3/4 x 105 3/4	B-205	3.15
Tank Unloader (P.T.O.)	20641K	3/4 x 36	B-225	1.39
Tank Unloader (Engine)	20209K	3/4 x 52	B-226	1.98
Pickup	15166K	3/4 x 121	B-223	4.15
Chaffer Fan	23221K	3/4 x 100	B-221	3.55

For Massey Harris 6'-7' Clipper 1938-46

Cylinder	GH5025	1 1/4 x 76	B-287	$ 8.95
Beater & Draper	GH5046	3/4 x 160	B-211	5.55
Rear Beater	GH5038	3/4 x 93	B-227	3.19
Rear Fan	GH5045	3/4 x 71	B-224	2.45
Reel	GH5047	3/4 x 56	B-228	2.69
Tailings & Clean Grain Auger	GH5067	3/4 x 37	B-229	1.49

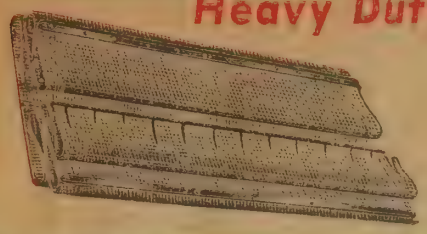
For Allis Chalmers Combines

Belt Location	Mfrs. part number	BELT SIZE	STOCK NUMBER	EACH
All Crop Model 60 (5 foot) 1935-46				
Header (1935-40)	502434	7/8 x 108 1/8	B-280	$ 5.95
Header & Draper (1941-46)	506910	3/4 x 149 1/2	B-281	9.95
Cylinder (1935-37)	502432	1 3/4 x 110 3/4	B-289	10.75
Cylinder (1938-40)	502433	1 13/32 x 111 1/8	B-291	15.95
Cylinder	506877	1 3/4 x 119 7/8	B-292	19.95
Separator	502435	3/4 x 241 3/8	B-282	7.35
Reel	502436	3/4 x 175 3/4	B-283	5.45
Lower Draper (1935-40)	501470	3/8 x 57 1/4	B-201	1.69
Grain Bin Unloader	502437	3/4 x 62 3/4	B-202	1.89
Straw Spreader	502438	3/4 x 87	B-203	2.55
Pickup (Rotor Type)	501510	3/4 x 166 3/4	B-204	4.95
All Crop Model 40				
Cylinder	503303	1 3/8 x 80	B-288	$ 7.95
Header & Fan	503304	3/4 x 105 3/4	B-205	3.15
Separator	503305	3/4 x 183	B-206	5.45
Reel	503306	1/2 x 142	B-207	3.25
Upper Draper	503308	1/2 x 48	B-208	1.15
Tailings Elevator	504093	1/2 x 67 1/2	B-209	1.35
Pickup (Rotor Type)	503327	3/4 x 127	B-210	3.95

For John Deere Combines

Models 11A and 12A				
Cylinder	P27312H	1 1/2 x 91 1/2	B-290	$15.50
Grain Tank Elevator	P29286H	3/4 x 87 3/4	B-203	2.55
Conveyor under Strawrack	P27108H	3/4 x 160	B-211	5.55
Tailings Elevator	P29287H	3/4 x 95 3/4	B-212	3.35
Feeler & Plat. Canvas Rear Beater & Fan	P30120H	7/8 x 239 1/2	B-284	18.75
Upper Tailings Auger	S9245H	1/2 x 42 1/2	B-213	1.23

You Can Be Sure of Extra Fast Service When You TELEPHONE or TELEGRAPH



Heavy Duty COMBINE CANVAS

Long Wearing Extra Heavy Rubberized Harvester Duck Construction Equal or Superior to Originals

Individual specifications differ according to the needs of the various models. But you can be sure that all Combine Canvas listed is equal to—or better than manufacturer's original specifications. In many cases major improvements have been made for greater service.

For ALLIS CHALMERS 5 Ft. Model "60"

Heavy No. 6 Harvester Duck, choice of long wearing waterproofed or rubberized finish. Heavier steel slats than originals, with extra rivets to hold canvas in severe service. Fasten like originals.

UPPER ELEVATOR—WATERPROOFED FINISH—Repl. A-C 505854. Size 59½x49. **STK. NO. X811.** Ship. wt. 13 lbs. Each, **$9.95**

LOWER ELEVATOR—WATERPROOFED FINISH—Repl. A-C 505855. Size 59½x152. **STK. NO. X-812.** Ship. wt. 22 lbs. Each, **$22.50**

UPPER ELEVATOR—RUBBERIZED FINISH—Repl. A-C 505854. Size 59½x49. **STK. NO. X-813.** Ship. wt. 15 lbs. Each, **$11.95**

LOWER ELEVATOR—RUBBERIZED FINISH—Repl. A-C 505855. Size 59½x152. **STK. NO. X-814.** Ship. wt. 28 lbs. Each, **$28.95**

For ALLIS CHALMERS Model "40"

Extra heavy No. 4 Harvester duck, thoroughly rubberized. Metal end slats with wood intermediate slats, with metal clips at end.

UPPER ELEVATOR — RUBBERIZED FINISH — Repl. A-C 506730. Size 35½x42. **STK. NO. X-815.** Ship. wt. 8 lbs. Each, **$6.95**

LOWER ELEVATOR—RUBBERIZED FINISH—Repl. A-C 506731. Size 35½x111½. **STK. NO. X-816.** Ship. wt. 14 lbs. Each, **$13.95**

For OLIVER 6 Ft. Grainmaster

Heavy No. 6 Harvester duck, thoroughly waterproofed. Construction like originals.

Model 6, 6 Ft. Cut—PLATFORM—WATERPROOFED. Repl. AC5897T. Size 36x214. **STK. NO. X-830.** Ship. wt., 29 lbs. Each **$32.95**

HEAVY DUTY BINDER CANVAS

Platform Canvases made of No. 8 Duck, 18 oz. per square yard
Elevator Canvases made of No. 9 Duck, 16.4 oz. per square yard
Heavy Duty Binder Canvas. Made to exact original equipment dimensions from extra heavy harvester duck, with straight grained hardwood slats, heavy web straps and metal buckles. They fit perfectly and give superior service. **Average Wts.—Platforms, 20 lbs.—Elevators, 11 lbs.**

Canvas Number	Application	Size Inches	Each
	For McCORMICK-DEERING BINDERS		
BD65	Upper Elevator	41¼ x 91	$ 8.75
BA66	Lower Elevator, to 1913	51 x 97	9.50
BB835	Lower Elevator, after 1913	51 x 89	9.45
BC467	6 Ft. Platform	45 x134	9.95
BB468	7 Ft. Platform	45 x158	13.75
BC469	8 Ft. Platform	45 x182	17.50
	For McCORMICK TRACTOR BINDERS		
B12342	Upper Elevator	41½x 83½	$11.75
B12339	Lower Elevator	45 x 77½	12.25
B12336	10 Ft. Platform	39 x237	26.95
	For JOHN DEERE BINDERS (1923-41)		
B8556	Upper Elevator	44⅜x 96	$ 8.95
B8555	Lower Elevator	50⅜x 94	9.75
B8554	8 Ft. Platform	38⅜x184	16.75
	For DEERE TRACTOR BINDERS		
B8787	Upper Elevator	44⅜x 91	$11.95
B8789	Lower Elevator	50⅜x 89	12.50
B8751	10 Ft. Platform	38⅜x234	26.95
	For DEERING IDEAL, NEW IDEAL		
HA4562	Upper Elevator	47 x 90	$ 8.50
HA3199	Upper Elevator, older models	43 x 90	7.50
HA1775	Lower Elevator	50⅜x 88	9.50
HA1772	6 Ft. Platform	43¾x133	11.95
HA1773	7 Ft. Platform	43¾x158	13.75
HA2791	8 Ft. Platform	43¾x183	16.50
	For CASE-OSBORNE BINDERS		
CA2002	Upper Elevator	40¼ x 79	$ 7.25
CA2003	Lower Elevator	48½x 82	7.95
CA2008	6 Ft. Platform	42¾x134	8.95
CA2009	7 Ft. Platform	42¾x158	9.95

FIX-ALL CANVAS CEMENT

The All-Purpose Adhesive that miraculously mends all kinds of cloth, canvas, wood, glass, etc.—anything except rubber. For indoor or outdoor use.

Weatherproof—Waterproof—Oilproof
Makes a permanent, low cost repair.
Stk. No. 20A60—6 oz. Bottle..... **65c**

For IHC McCORMICK-DEERING

Canvases for Nos. 42 and 52 made of extra heavy No. 4 Harvester duck thoroughly rubberized, same construction as originals. Canvases for No. 62 made of extra heavy two ply rubberized duck, wood slats with steel clips, with improved "Alligator" type flexible joining.

Models "42" and "52"—UPPER FEED—RUBBERIZED. 18137KB. Size 35x38⅜. **STK. NO. X-831.** Ship. wt. 6 lbs. Each, **$7.25**

Model "42"FEED CONVEYOR—RUBBERIZED. 18138KB. Size 35x122½. **STK. NO. X-832.** Ship. wt. 16 lbs. Each, **$13.85**

Model "52"—FEED CONVEYOR—RUBBERIZED. 28662KC. Size 35x135½. **STK. NO. X-833.** Ship. wt. 17 lbs. Each, **$14.50**

Model "62"—UPPER FEED—RUBBERIZED. Repl. IHC 20140KB. Size 26¾x44¾. **STK. NO. X-834.** Ship. wt. 8 lbs. Each, **$11.75**

Model "62"—FEED CONVEYOR—RUBBERIZED. Repl. 20136KC. Size 26¾x151. **STK. NO. X-835.** Ship. wt. 22 lbs. Ea., **$31.95**

For JOHN DEERE Combines

Heavy No. 6 Harvester Duck, waterproofed, used on No. 6 canvas, same construction as originals. Canvases for Nos. 11, 11A, 12, 12A have metal slats for joining ends with bolts and nuts, easier to handle than originals. Canvas for Nos. 11 and 11A made of extra heavy No. 4 rubberized Harvester duck. Canvas for Nos. 12 and 12A made of heavy No. 6 rubberized duck.

Model "6"—UPPER—WATERPROOFED FINISH. Repl. Deere AP9720H. Size 64⅝x102½. **STK. NO. X-821.** 21 lbs. **$35.95**

Model "6"—LOWER—WATERPROOFED FINISH. Repl. Deere AP9721. Size 64⅝x95¼. **STK. NO. X822.** 19 lbs. **$34.95**

Model "6"—PLATFORM—WATERPROOFED FINISH. Repl. Deere AP9722H. Size 64⅝x84½. **STK. NO. X-823.** 17 lbs. **$31.95**

Model 11, 11A—FEEDER—RUBBERIZED FINISH. Repl. Deere AP13963. Size 47x46. **STK. NO. X-825.** Ship. wt. 8 lbs. Ea., **$15.00**

Model 11, 11A—PLATFORM—RUBBERIZED. Repl. Deere AP13682. Size 47x126½. **STK. NO. X-826.** Ship. wt. 19 lbs. Ea., **$23.50**

Model 12, 12A — FEEDER — RUBBERIZED. Repl. Deere AP13964. Size 59x45½. **STK. NO. X-827.** Ship. wt. 10 lbs. Each, **$16.95**

Model 12, 12A—PLATFORM—RUBBERIZED. Repl. Deere AP13683. Size 59x126½. **STK. NO. X-828.** Ship. wt. 23 lbs. Ea., **$28.25**

For J. I. CASE

Heavy No. 6 Harvester Duck, thoroughly rubberized. Steel end slats with bolts and washers, heavy intermediate wood slats with steel end clips.

Model "F"—UPPER—RUBBERIZED FINISH. Repl. Case 889BA. Size 47½x52. **STK. NO. X-817.** Ship. wt. 9 lbs. Each, **$11.75**

Model "F"—LOWER—RUBBERIZED FINISH. Repl. Case 888BA. Size 47½x146. **STK. NO. X-818.** Ship. wt. 19 lbs. Each, **$26.50**

Model "G"—UPPER—RUBBERIZED FINISH. Repl. Case 2163BA. Size 64⅝x56. **STK. NO. X-819.** Ship. wt. 11 lbs. Each, **$16.95**

Model "G"—LOWER—RUBBERIZED FINISH. Repl. Case 2161BA. Size 64⅝x141. **STK. NO. X-820.** Ship. wt. 27 lbs. Each. **$36.95**

Model "A6"—UPPER—WATERPROOFED FINISH. Repl. Case B1744HTA. Size; 71½"x54" **Stk. No. X839.** Ship. wt. 16 lbs. **$15.50**

Model "A6"—LOWER—WATERPROOFED FINISH. Repl. Case B1743HTA. Size; 71½"x114" **Stk. No. X840.** Ship. wt. 30 lbs. **$29.50**

Model "A6"—UPPER—RUBBERIZED FINISH. Repl. Case 3312HTA. Size; 71½"x54" **Stk. No. X841.** Ship. wt. 14 lbs. **$18.50**

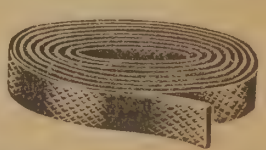
Model "A6"—LOWER—RUBBERIZED FINISH. Repl. Case 3311HTA. Size; 71½"x114" **Stk. No. X842.** Ship. wt. 29 lbs. **$38.50**

For MASSEY HARRIS 6 Ft. CLIPPER

Construction same as original, but made with heavy No. 6 Rubberized duck.

CLIPPER—PLATFORM—RUBBERIZED. Repl. Massey Harris 5068½. Size 58⅝x149. **STK. NO. X-824.** 27 lbs. Each, **$34.95**

CANVAS WEB STRAPS



1" Width; Heavy, 3-ply; **X121** Per Ft. **6c**
Save on 25 Ft. roll.....Roll **$1.29**
2" Width; Heavy, 3-ply; **X123**....Per Ft. **10c**
Save on 25 Ft. roll.....Roll **$2.29**
2" Width; Medium, 2-ply; **X124** Per Ft. **7c**
Save on 25 Ft. roll.....Roll **$1.59**
2½" Width; Medium, 2-ply; **X125** .....Per Ft. **9c**
Save on 25 Ft. roll.....Roll **$1.98**

ASSORTED CANVAS RIVETS—Tubular, oval head, rust resistant. Length; 5/16" to 1⅛". **Stk. No. X126**—Wt. ½ lb. .....Pkg. 100 **33c**

For a Better Buy in Farm Supplies—Better Buy From Tractor Supply

NEW, SAFER V-BELT DRIVES for COMBINES

MODERNIZE YOUR COMBINE AND ADD YEARS TO ITS LIFE BY CHANGING TO V-BELT DRIVES

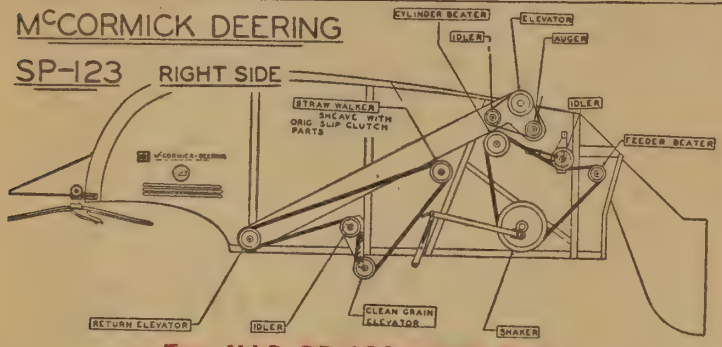
Eliminate the danger of chain drives. The whipping menace of a snapped chain which can cripple for life. V-belt drives are smoother running, provide better combine operation, and keep operator safe.

Offered in complete sets, custom engineered to service the machines listed. Each drive has been tested after development to guarantee you efficient service.

Stk. No.	APPLICATION OF DRIVE	PRICE

McCORMICK DEERING

SP-123 RIGHT SIDE



For IHC SP-123, 1946 Only

WV-280—1 L.H. Drive. Auger—Canvas Roller—Feeder Roller..... $ 40.75
WV-281—2 L.H. Drives, install together. Feeder Conveyor—Auger; Transmission—Feeder Conveyor 85.00
WV-282—1 L.H. Drive. Transmission—Cylinder..... 55.00
WV-283—2 L.H. Drives and 1 R.H. Drive, install together. Transmission-Cylinder Beater; Cylinder Beater—Straw Walker; Shaker—Feeder Beater—Cylinder Beater..... 129.50
WV-284—2 L.H. Drives, install together. Auger—Auger Countershaft—Reel Countershaft; Reel—Reel Countershaft..... 87.25
WV-285—1 R.H. Drive. Straw Walker—Elevator 45.00
WV-286—1 R.H.Drive. Elevator—Auger 17.75
WV-287—1 R.H. Drive. Auger Countershaft—Auger..... 25.25
WV-28 —SET OF 8 Drives, Numbers WV-280; WV-281; WV-282; WV-283; WV-285, as listed above..... **$310.00**
WV-28A—SET OF 9 Drives, same as 8 drive set listed above but with additional R.H. drive Elevator—Auger (No. WV-286) **$325.00**
WV-28B—SET OF 3 Drives, numbers WV-284; WV-287. These are the 3 drives which are NOT included in the 9 Drive set listed above..... **$99.75**

For IHC SP-123, 1947 and 1948

WV-290—1 L.H. Drive. Auger—Canvas Roller—Feeder Roller..... $ 40.75
WV-291—2 L.H. Drives, install together. Feeder Conveyor—Auger; Transmission—Feeder Conveyor..... 97.50
WV-292—1 L.H. Drive. Transmission—Cylinder 57.50
WV-293—2 L.H. Drives and 1 R.H. Drive, install together. Transmission — Cylinder Beater; Cylinder Beater — Straw Walker; Shaker—Feeder Beater—Cylinder Beater..... 127.50
WV-294—1 L.H. Drive. Elevator—Auger 17.75
WV-295—2 L.H. Drives, install together. Auger—Auger Countershaft—Reel Countershaft; Reel—Reel Countershaft..... 87.25
WV-296—1 R.H. Drive. Straw Walker—Elevator..... 45.00
WV-297—1 R.H. Drive. Elevator—Auger 17.75
WV-298—1 R.H. Drive. Auger Countershaft—Auger 25.25
WV-29 —SET OF 8 Drives, Numbers WV-290; WV-291; WV-292; WV-293; WV-296, as listed above..... **$315.00**
WV-29A—SET OF 10 Drives, same as 8 drive set but with additional L.H. and R.H. Elevator—Auger Drives added (WV-294 and WV-297)..... **$345.00**
WV-29B—SET OF 3 Drives, numbers WV-295; WV-298. These are the 3 drives which are NOT included in 10 drive set listed above **$99.50**

Cylinder Slowdown Drives for SP-123, SP-125

WV-300—Flax Changeover Drive..... $47.50
WV-301—Cylinder Slowdown to 800 RPM. (for Maize)..... 31.50
WV-302—Cylinder Slowdown to 600 RPM. (for Beans)..... 38.50
WV-303—Cylinder Slowdown to 990 RPM. for Rice)..... 32.75

For IHC Combine SP-125

WV-240—1 R.H. Drive. Straw Walker—Elevator..... $ 45.00
WV-241—1 R.H. Drive. Elevator—Auger 17.75
WV-242—1 L.H. Drive. Feeder Conveyor—Auger 40.50
WV-243—1 L.H. Drive. Transmission—Feeder Conveyor 56.50
WV-244—1 L.H. Drive. Transmission—Cylinder 57.50
WV-245—2 L.H. Drives and 1 R. H. Drive, install together. Transmission—Cylinder Beater; Cylinder Beater—Straw Walker; R.H. Shaker—Feeder Beater—Cylinder Beater..... 127.50
WV-246—1 L.H. Drive. Elevator—Auger 17.75
WV-247—1 L.H. Drive. Reel—Reel Countershaft 45.00
WV-24 —SET OF 7 Drives, Numbers WV-245; WV-240; WV-242; WV-243; WV-244, as listed above..... **$285.00**
WV-24A—SET OF 9 Drives, same as 7 drive set above plus drives WV-241 and WV-246..... **$315.00**
WV-24B—SET OF ALL 10 Drives as listed individually above **$349.50**

For IHC Combine 31-R

WV-56 —4 Drives—3 R.H. (Elevator to Straw walker, Fan to Straw walker to Beater, Cylinder to Beater to Upper Fan) and 1 L.H. (Fan to Upper countershaft to lower countershaft to Shaker). Install together..... **$257.00**
WV-57 —1 L.H. Drive, Elevator to dist. to reclaiming auger..... $68.50
WV-55 —SET OF ALL 5 Drives (Nos. WV-56 and WV-57) as described above, for model 31-R combine..... **$299.50**

Stk. No.	APPLICATION OF DRIVE	PRICE

For IHC Combines 20 and 22

IHC changed to larger shaft sizes in 1932—Be sure to check shafts and state whether combine is 1930-31, or 1932 or later production.
1930-31 cylinder shaft size is 1⅛"; 1932 and later is 1⅜".
1930-31 countershaft is 1¼"; 1932 and later is 1⅛".
WV-160—3 L.H. Drives, Straw rack to Elevator, Countershaft to Beater to Fan, Conveyor to Straw rack to Beater-Shaker $220.00
WV-163—1 R.H. Drive, Straw Rack to Elevator..... 48.00
WV-164—1 R.H. Drive, Transmission to Cylinder..... 53.50
WV-50 —SET OF 5 Drives (Nos. 160, 163, 164 as listed above) for 1932 and later production combines..... **$295.00**
WV-51 —SET OF 5 Drives (Nos. 160, 163, 164 as listed above) for 1930-31 production combines..... **$295.00**

For IHC Combine 31-RD

WV-61 —4 Drives—3 R.H. (Elevator to Straw walker, Fan to Straw walker to Beater, Cylinder to Beater to Upper Fan), and 1 L.H. (Fan to Upper countershaft to lower countershaft to Shaker). Install together..... **$259.50**
WV-62 —1 L.H. Drive, Elevator to dist. to recleaning auger..... $72.50
WV-60 —SET OF ALL 5 Drives (Nos. WV-61 and WV-62) as described above, for model 31-RD combine..... **$305.00**

For IHC Combine 31-T

WV-66 —4 Drives—3 R.H. (Elevator to Straw walker, Fan to Straw walker to Beater, Cylinder to Beater to Upper Fan) and 1 L.H. (Fan to Upper countershaft to lower countershaft to Shaker). Install together..... **$257.50**
WV-67 —1 L.H. Drive, Elevator to dist. to recleaning auger..... $72.50
WV-65 —SET OF ALL 5 Drives (Nos. WV-66 and WV-67) as described above, for model 31-T combine..... **$310.00**

For IHC Combine 62

WV-230—3 R.H. Drives, install together. Front Beater—Auger Countershaft—Feed Conveyor; Feed Conveyor—Shaker; Shaker—Straw Walker $110.50
WV-231—1 L.H. Drive. Clean grain elev.—Return elev.—Straw walker 26.75
WV-232—1 L.H. Drive. Cylinder Beater—Fan—Shaker 56.25
WV-233—1 L.H. Drive—Specify year. Reel—Reel Countershaft..... 24.00
WV-23 —SET OF ALL 6 Drives listed above. Specify Year of combine **$198.50**
WV-310—1 R.H. Drive. Straw walker—Return Elev.—Clean grain elev. 45.00

For IHC Combine 122

WV-311—1 R.H. Drive. Elevator—Auger 17.75
WV-312—1 L.H. Drive. Reel—Reel Countershaft..... 30.00
WV-313—1 L.H. Drive. Clean Grain Elevator—Auger..... 17.75
WV-314—2 L.H. Drives, install together. Feed Conveyor—Feed Beater; Sickle Countershaft—Feed Conveyor..... 58.75
WV-315—4 R.H. Drives and 1 L.H. Drive, must be installed together. R.H. Pan—Cylinder Beater; Cyl. Beater—Feed Conveyor; Feed Conveyor—Countershaft; Countershaft—Canvas Roller—Feed Roller; L.H. Straw Walker—Shaker—Cylinder Beater **$201.50**
WV-31 —SET OF ALL 11 Drives as listed above for 122..... **$330.00**

For OLIVER Model "30" Combine

WV-190—1 R.H. Drive, Engine to main countershaft..... $58.00
WV-191—1 R.H. Drive, Gear box to straw elev. to straw walker..... 45.50
WV-192—1 R.H. Drive, Gear Box to Fan..... 22.50
WV-193—1 R.H. Drive, Straw Spreader. Specify year..... 20.50
WV-194—2 Platform Drives. Install as unit..... 55.50
WV-195—1 L.H. Drive, Header countershaft-raddle-beater..... 55.00
WV-196—1 L.H. Drive, Fan to Shoe..... 26.50
WV-197—1 L.H. Drive, Elevator to straw elevator..... 42.00
WV-90 —SET OF ALL 9 Drives described above for Oliver model "30" Combine. Specify year..... **$297.50**

For OLIVER Model "10" Combine

WV-221—3 R.H. Drives, install together. Engine to main countershaft. Gear box to straw elev., gear box to fan..... $108.75
WV-222—1 R.H. Drive, straw raddle to rear straw beater..... 32.50
WV-223—2 Platform Drives, install as unit..... 53.00
WV-224—2 L.H. Drives, install together. Rear straw beater, front straw beater, straw elevator; Elevator, Rear straw elevator 80.25
WV-225—1 L.H. Drive, Shoe to Fan..... 25.50
WV-226—1 L.H. Drive, Feed beater, feed conveyor, header countershaft 58.25
WV-227—1 L.H. Drive, straw raddle to straw spreader..... 21.25
WV-95 —SET OF ALL 11 Drives described above for Oliver model "10" Combine..... **$325.00**

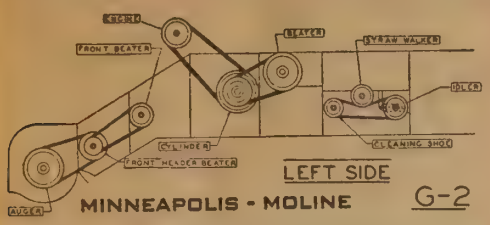
REPLACE WORN COMBINE CANVAS

We carry a complete stock of COMBINE CANVAS for most Makes and Models. See page 11 for money saving prices.

Regardless of Size, All Mail Orders Are Shipped Within 6 Hours

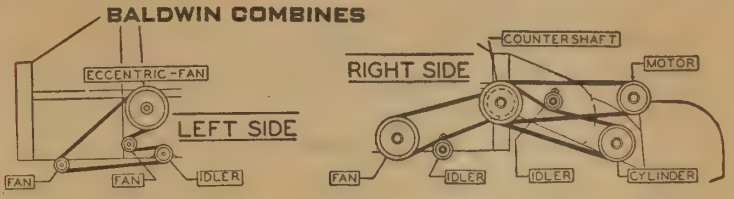
NEW, SAFER V-BELT DRIVES for COMBINES

REPLACE TROUBLESOME CHAIN DRIVES WITH SMOOTH RUNNING PULLEYS AND BELTS



MINNEAPOLIS - MOLINE G-2

Drives are complete, pulleys, belts, idlers, small parts, to service the combines listed. If you would like additional information about drives for your combine, address your closest branch manager. We carry service parts and belts to supply needs of machines in the field.



Stk. No.	APPLICATION OF DRIVE	PRICE

For MINN. MOLINE Model G-2

Fits Combines Below Serial No. 75660

WV-110	**1 L.H. Drive,** Straw Rack to Cleaning Shoe	$32.50
WV-111	**1 L.H. Drive,** Cylinder to Beater	44.75
WV-112	**1 L.H. Drive,** Cylinder to Engine	57.50
WV-113	**1 L.H. Drive,** Front beater to front header	31.50
WV-114	**1 L.H. Drive,** Front header to Auger	47.50
WV-115	**1 R.H. Drive,** Straw Spreader	21.50
WV-116	**1 R.H. Drive,** Beater to fan to straw walker	47.50
WV-11	**—SET OF ALL 7 Drives** described above for model G-2, serial numbers prior to #75660	**$247.50**

For MINN. MOLINE Model G-3

Fits Combines After Serial No. 75764

WV-120	**1 L.H. Drive,** Straw Rack to Cleaning shoe	$32.50
WV-121	**1 L.H. Drive,** Cylinder to Beater	44.25
WV-122	**1 L.H. Drive,** Cylinder to Engine	55.50
WV-123	**2 L.H. Drives,** install together. Front beater to front header, Front header to Auger	67.50
WV-125	**1 R.H. Drive,** Straw Spreader	21.50
WV-126	**1 R.H. Drive,** Beater to fan to straw walker	47.50
WV-14	**—SET OF ALL 7 Drives** described above for model G-3 serial numbers 75764 and higher	**$242.50**

For MINN. MOLINE SP-14

WV-210	**1 L.H. Drive,** Auger to auger countershaft	$23.00
WV-211	**1 R.H. Drive,** Auger to auger countershaft	24.50

For MINN. MOLINE "JR" 8 Ft. CUT

WV-130	**2 R.H. Drives,** install together. Beater to fan to cleaning shoe, Engine to Cylinder	$87.50
WV-132	**3 R.H. Drives,** install together. Back beater to elevator, reel to front beater, back-front beater	95.50
WV-135	**1 L.H. Drive,** Cleaning shoe to straw rack	32.50
WV-136	**2 L.H. Drives,** Cylinder to straw walker, cylinder to beater. Install together	61.50
WV-138	**1 L.H. Drive,** Lower Beater to Auger	31.50
WV-17	**—SET OF ALL 9 Drives** described above complete for M-M "Jr." 8 Foot Cut combine	**$285.00**

For JOHN DEERE Model 5-A Combine

WV-171	**3 R.H. Drives,** install together. Cylinder to beater (2 belts), Beater to fan to shaker to straw walker, Straw walker to straw carrier to Elevator	$192.00
WV-172	**2 L.H. Drives,** install together, Beater to front beater, Beater to elevator countershaft	60.00
WV-173	**2 L.H. Drives,** install together. Front beater to countershaft to sickle driver. Countershaft to conveyor	84.00
WV-174	**1 L.H. Drive,** Countershaft to Elevator	51.00
WV-71	**—SET OF 8 Drives,** Complete WV-171, WV-172, WV-173 and WV-174 as listed above, for model 5A.	**$360.00**

For JOHN DEERE Model 17 Combine

STATE YEAR OF COMBINE MANUFACTURE WHEN ORDERING. Drives for combines 1941 and before are different from drives for 1942 and after.

WV-175	**3 R.H. Drives,** install together. Cylinder to beater, Beater to fan to shaker to straw walker, straw walker to straw carrier to Elevator	$192.00
WV-176	**2 L.H. Drives,** install together. Beater to front beater, beater to elevator countershaft	60.00
WV-177	**2 L.H. Drives,** install together. Front Beater to countershaft to sickle. Countershaft to Conveyor	84.00
WV-178	**1 L.H. Drive,** Countershaft to Elevator	51.00
WV-76	**—SET OF 8 Drives,** Complete WV-175, WV-176, WV-177, and WV-178 as listed above, for model 17	**$360.00**

For JOHN DEERE Model 9 Combine

WV-180	**1 R.R. Drive,** Engine to Cylinder	$37.25
WV-181	**1 R.H. Drive,** Cylinder to Rear Beater	45.75
WV-182	**1 R.H. Drive,** Beater to fan to shaker to straw walker	88.50
WV-183	**1 L.H. Drive,** back-upper-front Beaters to conveyor	91.75
WV-184	**1 L.H. Drive,** Auger to Front Beater	25.75
WV-20	**—SET OF ALL 5 Drives** (WV-180, WV-181, WV-182, WV-183, and WV-184) as described above for model 9	**$265.00**

Stk. No.	APPLICATION OF DRIVE	PRICE

For BALDWIN Combines 1929-35

SPOKE TYPE, ONE PIECE SHEAVES

Many combines have had some of the original chain drives replaced by belts and pulleys. In replacing these old pulley drives, or in converting some of remaining chain drives to use belts and pulleys, it is necessary to read application data thoroughly, and to give all information called for.

WV-101	**1 R.H. Drive.** Engine—Countershaft. Can be installed on all	$ 39.75
WV-102	**3 R.H. Drives,** must be installed together where all 3 drives are now chain and sprocket driven. Countershaft to Cylinder; Countershaft to Fan; Cylinder to Auger **1 R.H. Drive,** Cylinder to Auger, where countershaft-cylinder and countershaft-fan drives have previously been changed to belts.	123.50
WV-103	—Cylinder to Auger, where above change was made with conversion made by Gleaner Baldwin Co.	35.50
WV-104	—Cylinder to Auger, where above change was made with conversion sold by Tractor Supply (Service Foundry or Universal Pulley Co.)	37.50
WV-105	**1 New R.H. Drive.** Eccentric—Center Raddle—Rear Raddle—Picker Beater—Return Elevator	48.50
WV-106	**1 New R.H. Drive.** Straw Spreader	22.50
WV-107	**1 L.H. Drive,** Eccentric—Front Fan—Rear Fan	39.00
WV-108	**1 L.H. Drive.** Eccentric—Beater—Feeder Raddle	39.50
WV-109	**1 L.H. Drive,** Rear Raddle—Clean Grain Elevator	29.50

For J. I. CASE Model K Combines

NOTE: Model K combines differ by year of production, 1938 and before taking different drives than 1939 and after. 1939 and after combines have two types of cylinder speed also, 900 RPM. and 1100 RPM. When ordering drives for model "K," BE SURE TO STATE YEAR, and 900 or 1100 R.P.M. CYLINDER SPEED.

WV-270	**2 R.H. Drives,** install together. Rear Beater-Cylinder; Rear Beater—Conveyor—Fan	$99.50
WV-271	**1 R.H. Drive** and **1 L.H. Drive,** install together. Cylinder—Front Beater; Feeder Beater—Rear Beater—Raddle	117.00
WV-272	**1 L.H. Drive.** Engine—Cylinder	58.50
WV-273	**1 L.H. Drive.** Reel—Countershaft	34.50
WV-274	**2 L.H. Drives,** install together. Conveyor-Return Elevator; Conveyor—Straw walker	65.00
WV-275	**1 R.H. Drive.** Straw Spreader—Straw Walker	19.50
WV-27	**—SET OF ALL 9 Drives** above. BE SURE to state Year of manufacture, and whether 900 or 1100 RPM. cylinder speed	**$355.00**

For J. I. CASE "M", 1942-48

WV-156	**1 R.H. Drive,** Fan to Cylinder	$ 57.75
WV-157	**3 L.H. Drives,** install together, reel to reel jackshaft; conveyor to header auger to reel jackshaft; conveyor to beater to fan	160.00
WV-40	**—SET OF ALL 4 Drives** described above for model M, 1942 and later models only	**$202.50**

For J. I. CASE Model P Combines

NOTE: Model P combines were made two ways—straight shafts which take straight hubs, or tapered shafts which take tapered hubs. Be sure to specify which type pulley hubs your combine requires.

For Combines with STRAIGHT Shafts, Take STRAIGHT HUBS

WV-250	**2 R.H. Drives,** install together. Lower Fan, Beater; Beater, Upper Fan, Cylinder	$97.50
WV-251	**1 L.H. Drive,** Countershaft—Feeder Paddle	41.50
WV-252	**2 L.H. Drives,** install together. Beater-Shaker-Straw walker; Straw walker-straw spreader	110.00
WV-25	**—SET OF ALL 5 Drives** above, for Combines taking straight hubs	**$232.50**

For Combines with TAPERED Shafts, Take TAPERED HUBS

WV-260	**2 R.H. Drives,** install together. Lower Fan, Beater; Beater, Upper Fan, Cylinder	$112.75
WV-261	**1 L.H. Drive,** Countershaft—Feeder Paddle	41.50
WV-262	**2 R.H. Drives,** install together. Beater-Shaker-Straw walker; Straw walker-straw spreader	125.00
WV-26	**—SET OF ALL 5 Drives** above, for combines taking tapered hubs	**$247.50**

REPLACEMENT BELTS FOR CONVERSION UNITS

V-Belts for all Conversion Units are Available

MODELS STOCKED IN MINOT, NO. DAKOTA:

Minn., Moline G2, G3; IHC 20, 22; Case K; Gleaner Baldwin

ALL MODELS ARE STOCKED IN WICHITA, KANSAS

Price List Can Be Obtained at Your Nearest Farm Store

You Will Always SAVE When You Buy From TRACTOR SUPPLY

AVERY CYLINDER TEETH

For Most COMBINES and THRESHERS

Any Tooth Broken While Threshing Will Be Replaced Without Charge

CHECK YOUR COMBINE AND THRESHER NOW! - DON'T WAIT UNTIL HARVEST FOR TEETH

Repl. Mfrs. Tooth No.	APPLICATION DATA	Order Avery Tooth No.	EACH
For IHC McCORMICK-DEERING COMBINES No. 8, No. 11, No. 20, No. 22			
M3072 or M4498	Regular Cylinder Tooth for all models	4	19c
M3073	Cylinder Band Tooth for all models	4A	19c
	No. 8 Combine uses 130 No. 4 and 16 No. 4A Teeth		
	No. 11 Combine uses 153 No. 4 and 20 No. 4A Teeth		
	No. 20 Combine uses 80 No. 4 and 8 No. 4A Teeth		
	No. 22 Combine uses 80 No. 4 and 8 No. 4A Teeth		
For 22 & 38 and 28 x 46 THRESHERS			
1416-N	Regular Cylinder Tooth	3	25c
1415-N	Cylinder Band Tooth	3A	25c
	22x38 Thresher uses 60 No. 3 and 12 No. 3A Teeth		
	28x46 Thresher uses 80 No. 3 and 12 No. 3A Teeth		
For DEERE Combines			
P-44-H	For Cylinder and Concave on Deere Combines 1, 2, 3, 5, 6 and 7	6	18c
	Combines 1, 5, 6 and 7 use 115 No. 6 teeth in Cylinder		
	Combines 3 uses 135 No. 6 teeth in Cylinder		
	All models use 22 No. 6 teeth in one concave section		
For RUMLEY (Allis Chalmers)			
S4K3107 or MA414	Cylinder and Concave Tooth for 22", 24", 28", 30", 36" and 40" Cylinder Sizes	19	22c
S4K3108 or MA415	Cylinder Band Tooth for 22", 24", 28", 30", 36" and 40" Cylinder Sizes	19A	22c
S5D2001	Regular Cylinder and Concave Tooth for Combines Nos. 2 and 3	20	19c
S5D2002	Cylinder Band Tooth for Combines Nos. 2 and 3	21	19c
S5D7577	Short Concave Tooth for Combines Nos. 2 and 3	20A	22c
For AVERY Threshers and Combines			
SS-3	Regular Cyl. and Concave Tooth for All Steel Avery Threshers and Combines	SS-3	22c
For KECK-GONNERMAN			
641	Reg. Cylinder Tooth for 28x50, 32x54, 36x58, 36x62	2	24c
642	Cyl. Band Tooth, 28x50, 32x54, 36x58, 36x62	2A	22c

All Avery Cylinder Teeth are made of special analysis steel by the costly "Multiple-Hammered" process. They are tempered to provide an extra hard surface on the threshing side, but leaving a tough shank to withstand severe shocks without breaking. This process is exclusive with Avery Teeth.

Repl. Mfrs. Tooth No.	APPLICATION DATA	Order Avery Tooth No.	EACH
For J. I. CASE			
O237T	All Case Combines and 20x28 Thresher	6	18c
O251T	Threshers prior to serial No. 74011 (except 20x28)	18	20c
O254T	Threshers after serial No. 74012 (except 20x28)	5	20c

Number of Teeth Required by Case Machines

Prior to serial No. 74011			After serial No. 74012		
Size Machine	Cylinder	Concave (1 sec.)	Size Macine	Cylinder	Concave (1 sec.)
18x36	51	15	20x28	57	18
24x42	69	22	22x36	57	18
28x50	135	26	28x46	75	24
32x54	155	30	28x50	135	24
36x58	175	34	32x54	155	34
40x62	195	38	36x56	175	34
44x66	215	42	Combines A, B, BB	57 No. 6	18 No. 6
			Combine "H"	75 No. 6	20 No. 6
			Combine "P"	115 No. 6	22 No. 6
			Combine A6	81 No. 6	22 No. 6

CASE Machines use the same teeth in Cylinder and Band.

For OLIVER (Nichols & Shepard)			
14	Cylinder Tooth for 22x36 and 28x46 Threshers and A, B, D, E and F Combines	1	22c
15	Band Tooth for 22x36 and 28x46 Threshers and A, B, D, E and F Combines	1A	22c
21	Cylinder Tooth for 30x52, 32x56, 36x60 Threshers	2	24c
22	Band Tooth for 30x52, 32x56 and 36x60 Threshers	2A	22c
24	Short Concave Tooth for All Combines and Threshers	9	24c
For AULTMAN-TAYLOR			
XX-5	Regular Cylinder Tooth for 20", 23", 27", 30", 32" and 36" Cylinder Sizes	7	22c
XX-3	Cylinder Band Tooth for 20", 23", 27", 30", 32" and 36" Cylinder Sizes	7A	22c
For WOOD BROS.			
1 or 247	Reg. Cylinder and Concave Tooth for All Threshers and Comb.	7	22c
2 or 307	Band Tooth for All Threshers and Combines	7A	22c
4 or 248	Short Concave Tooth for All Threshers and Combines	8	22c

CANVAS COVERS

PROTECT YOUR FARM MACHINERY
COVER YOUR STOCK AND GRAIN TRUCKS

HEAVY DUTY WEATHERPROOF COVERS

Closely Woven, Impregnated Against Any Weather Damage

These farm covers are made of heavy duck, closely woven, and absolutely water tight. The extra heavy material meets army specifications and averages 14 ounces per square yard before treating which means it must be tight and durable. They have been thoroughly impregnated with water-proofing material, not just lightly coated.

Covers are ideal for protecting farm machinery, covering tops of grain or stock trucks, and dozens of other places where water, sun, or wind could do damage. Rust resisting grommets are inset all along edges, heavily reinforced to resist pulling, takes ⅜" ropes. Select the sizes you need from listing below.

$6.45 6x10 Ft.

Repel Water, Sleet, Snow and Dew. Cover Anything Subject to Weather Damage.

REGULAR STOCK SIZES

6 ft. x 10 ft. Stk. No. X-130. Ship. wt. 10 lbs. Each.....$6.45

8 ft. x 12 ft. Stk. No. X-129. Ship. wt. 17 lbs. Each..... 10.25

EXTRA HEAVY

10 ft. x 15 ft. Stk. No. X-131. Ship. wt. 28 lbs. Each.....$17.95

12 ft. x 16 ft. Stk. No. X-132. Ship. wt. 35 lbs. Each..... 23.95

Regardless of Size, All Orders Are Shipped Within Six Hours

NO-KRAK GRAIN BLOWER

LIFTS ANY GRAIN OR FEED—TO A HEIGHT OF 30 FEET
NO LOSS DUE TO CRACKING—AIR CUSHIONED, AIR LIFT

Moves 1200 Bushels Per Hour

The Trasco No-Krak Grain Blower lifts ANY Grain or ground Feed WITH PERFECT SAFETY. A new principle is employed, and actually lifts the grain on a cushion of air. Tests show that dry grain starts to crack when contacted by an impeller moving over 6000 feet per minute, a speed within the range of some blowers on the market. Yet the New Trasco lifts to a full 30 feet, at the terrific speed of 1200 bushels per hour, with the impeller unit never exceeding 3250 rpm.

The Trasco Blower handles any Grain or Feed - Wheat, Corn, Oats, Barley, Kaffir, etc., with perfect safety even to seed grains. Grain is lifted on a cushion of air, with no danger of cracking damage.

The rotor unit is the only moving part - It is mounted on sealed self-aligning bearings that require lubrication only twice a season. The complete outfit is rugged and durable, yet light enough to be transported from place to place.

Recommended operating speed is 800 to 1200 rpm depending on the grain to be moved. Best operation is from tractor belt or power takeoff, but a separate gas engine of 4 to 5 HP can be used.

5 Minutes to a Wagon Load

The Trasco No-Krak Grain Blower is an All Steel unit that is built to give trouble free service for years. The all steel welded construction is adequately braced, and there are no castings or easily damaged parts. No service is required other than twice a season lubrication of the rotor bearings.

The large hopper measures 36" x 68" and is of welded steel with angle braces. It can be quickly detached when moving the blower to a new location.

The blower is fitted with a flat pulley for operation from tractor belt (or power takeoff).

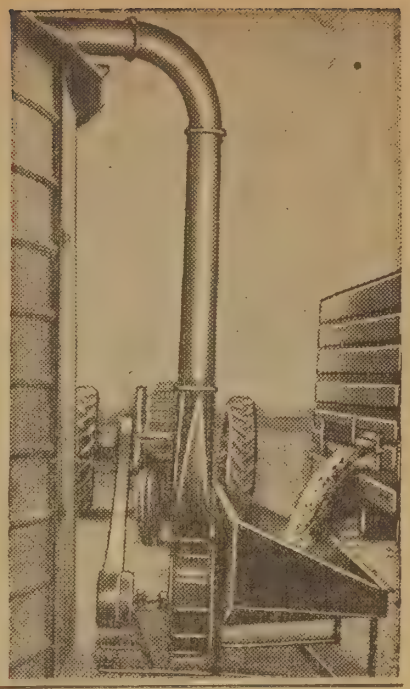
SHIPPED COLLECT—NOT PREPAID.

COMPLETE BLOWER UNIT, AS PICTURED

Consists of blower housing and impeller assembled, pulley, 36" x 68" hopper and base, square-to-round base pipe, 10 feet of 6" lift pipe, elbow, and top deflector.
Stk. No. X-1001
Ship. wt. 260 lbs.

OUR PRICE
$109.50

Manufacturer's Regular List Price
$169.50



CHAIN DRIVEN 21', 26'

Trasco GRAIN AUGERS BELT DRIVEN 12', 16', 21'

Trasco Chain Drive Grain Auger can easily move 1,000 bushels of grain to height of 23 ft. in one hour. This same efficiency applies to dry cereals, chemicals, etc. Chain Drive Spiral allows full power from your engine. Waist High Motor—exclusive with Trasco—is at 'work bench height' for easy adjustment and servicing.

Improved Intake Nose keeps grain moving at high speed. Special flange on spiral is the secret of this maximum pickup and smooth flow. Braced by 4 steel bars to resist shock damage.

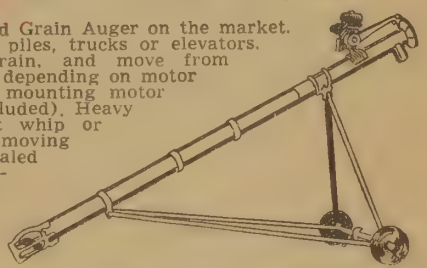
TRASCO Chain Driven Augers are complete with high speed undercarriage that permits fast transporting from one place to another. Towing axle is mounted on Timken roller bearings, and wheels take standard 6.00x16 tires (tires not included). Auger height can be adjusted by handy crank mounted at front of undercarriage.

21-FT. LENGTH
Stk. No. 51A51 **$245.00**
3 H.P. Engine Recommended

26-FT. LENGTH
Stk. No. 51A52 **$272.00**
4 H.P. Engine Recommended

COMPLETE (less tires and engine)

Here is the fastest low priced Grain Auger on the market. Loads into, or out of, bins, piles, trucks or elevators. Will handle any small grain, and move from 500 bushels an hour and up, depending on motor speed and application. Top mounting motor as illustrated (motor not included). Heavy steel auger spiral will not whip or chatter at any speed. Every moving part is equipped with oil sealed bearings. Double sealed pillow blocks assure quiet shaft operation. Positively will not crack or crush grain. Used with gas or electric motors.



AUGERS ARE SUPPLIED WITHOUT CARRIERS AND WITHOUT MOTORS

(See Below for Carriers—See Motors on Page 19)

12-Ft. Length	Stk. No. 51A62	Ea.	$108.50
16-Ft. Length	Stk. No. 51A63	Ea.	$119.50
21-Ft. Length	Stk. No. 51A64	Ea.	$137.50

PORTABLE CARRIERS
With height adjustment crank, and with 4.00x8 wheels, tires and tubes.
Stk. No. 51A69 ..... Ea. **$82.50**

TRUCKERS AND FEEDERS
12-ft. auger with special full swivel mounting that fits straight or flare side boxes. Lightweight, and the right length for easy handling.
Stk. No. 51A61 ..... Ea. **$112.50**

Trasco COMBINE UNLOADING AUGERS

FREE CIRCULAR AVAILABLE
Write to your nearest Branch for information regarding your combine.

Farmers all over the country are talking about these New Trasco COMBINE AUGERS! They are Bigger . . . Faster . . . More Efficient! They will unload a full hopper while truck is 'on the run'—something that has never been possible before!

ROLLER CHAIN DRIVEN—Guarantees absolutely no belt slippage.
ROLLER GRIP CLUTCH—that can be instantly engaged or disengaged.

POWER—taken from combine, and driven through Rolling Grip Clutch, transmitted by use of two 1" universal joints.

The amazing speed in which you can get your combining done—adding as much as 2 to 3 extra combining hours a day—is only one of the many features of the TRASCO Combine Auger. Because of the quality of materials used, and the 'sensible' simplicity of design, these combines will give you years of dependable service.

Both 6-Inch and 10-Inch Augers have been tested and proved by Farmers everywhere. They recommended it as the finest on the market.

6-INCH AUGER TUBE

MODELS FOR: CASE A 6 ft.; BALDWIN 6 ft.; JOHN DEERE 12 and 12A

SPECIFICATIONS FOR ABOVE MODELS
Outer Tube: 6" O.D. 16 gauge tube.
Auger Shaft: 1½" O.D. 11 gauge wall.
Flighting: 10 gauge steel.
Length: 6 ft. over-all.
Hopper: 16 gauge sheet.
Stk. No. 51A71
Wt. 131 lbs. ..... Ea.
$139.50

10-INCH AUGER TUBE

MODELS FOR: IHC SP123, 125 Combine; IHC 122 Pull Type; OLIVER 30, 12-ft. Combine; CASE K 12-ft. Combine; JOHN DEERE 17 Combine; BALDWIN (1936-48) 12-ft. Combine; MM G, G1, G2, G3, G4.

SPECIFICATIONS FOR ABOVE MODELS
Outer Tube: 10" O.D. 16 gauge tube.
Auger Shaft: 2" O.D. 11 gauge wall.
Flighting: 10 gauge steel.
Length: 6 feet over-all.
Hopper: 16 gauge sheet.
Stk. No. 51A70
Wt. 175 lbs. ..... Ea.
$159.50

You Will Always SAVE When You BUY From TRACTOR SUPPLY

Heavy Duty FARM WAGON

WITH ADJUSTABLE BED HEIGHT FOR DOUBLE UTILITY

EASILY CARRIES 6000 LBS.

The Trasco Farm Wagon combines extra strength with valuable versatility. It is a heavy duty wagon with super size axles, steel channel reach and bridge type bracing instead of the usual iron pipe tubing construction.

In corn picking season you need height on the wagon box—use your Trasco wagon as pictured with the extra bolster cross pieces.

In grain and haying time you want a low bed wagon with extra capacity—remove the extra bolster pieces and you have it.

SHORT TURNING RADIUS

Wagon turns in 10 foot circle when box is mounted above tires. Inner wheel turns on sharper angle to eliminate drag. New type semi-automatic adjustable stop prevents rubber wear.

COMPARE THIS CONSTRUCTION:

Super Size Axles—5½" deep by 3¼" channel steel, ¼" thick. Bridge reinforcing. 23½" Front Hitch, ⅛" thick steel.

Channel Steel Adjustable Reach—Length adjusts from 7 feet to 11'6", takes racks up to 15 feet. Heavy channel steel instead of iron pipe tubing.

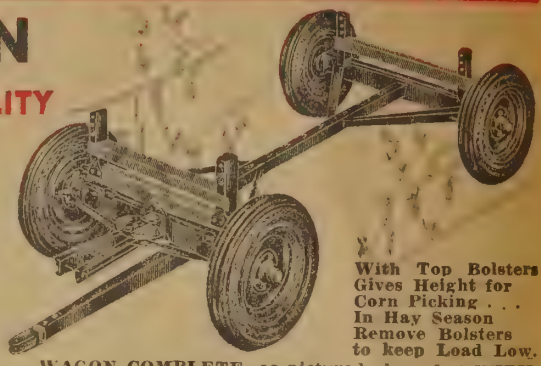
Double Timken Bearings — Larger than usual, take extra loads, grease and dirt tight.

12" Square Steel Stakes—Adjustment holes 2" apart for extra bolster height, adjusts for 28" to 42" widths.

60" Track, 12½" Road Clearance—Extra stability with plenty of height for rough ground. Weighs 420 pounds less tires and without extra bolsters.

Disc Wheels—Take 6.00x16 to 7.00x16 tires.

F.O.B. Factory in Iowa—FREIGHT COLLECT. Store Prices Slightly Higher.



With Top Bolsters Gives Height for Corn Picking . . . In Hay Season Remove Bolsters to keep Load Low.

WAGON COMPLETE, as pictured above but WITHOUT tires and tubes. Complete with double bolster pieces. **Stk. No. X-1101** **$129.95**

WAGON Without Extra Bolster Cross Pieces, WITHOUT tires and tubes. **Stk. No. X-1100** **$114.95**

EXTRA Bolsters Only—For converting Wagon X-1100 to X-1101. **Stk. No. X-1102** **$16.50**

MECHANICAL WAGON HOIST

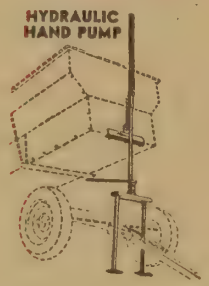
Weighs 80 Lbs.
Raises 44 In.
Lifts 3 Tons

Once you start using this handy wagon hoist you'll wonder how you ever got along without it. Ideal for many lifting and utility jobs on the farm. Portable — weighs only 80 lbs. All steel construction, lift parts case hardened for a lifetime of safe use. Hoist is complete with lever bar and plate bracket for attaching to wagon.

Stk. No. X-1105—Ship. wt. 85 lbs. **Each** **$46.95**

EXTRA WAGON PLATE IRON for using lift with more than 1 wagon. **X-1106**—5 lbs. **Each $2.00**

HYDRAULIC WAGON HOIST



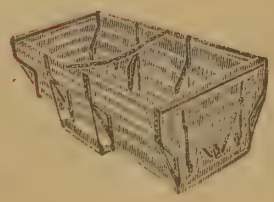
Weighs 65 Lbs.
Raises 38 In.
Lifts 3 Tons

HANDLES ALL YOUR WAGONS. Here is real economy, plus being a great time saver. Equip all your wagons with eye plates, regardless of size, and use this hydraulic hoist. Fast pumping—one man can dump load in one minute. Patented breather cannot jam or air lock. Lowers box quickly and gently when relief valve is tripped. All metal construction assures trouble-free operation. Easy to use—all you do is adjust rack and paul ring to height of bed above ground. Hook is slipped into eye plate and up she goes. Complete; jack & plate.

50A85—Ship. Wt. 70 lbs. ..... **Each** **$63.00**

50A86—Extra eye plates, 4 lbs. ..... **Each $4.00**

WAGON BOX KIT

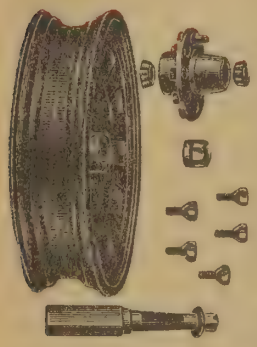


Build Your Own Wood Flare Box

Here is the complete kit that contains all the pieces you need to make a fine Flare - Type Wagon box. All you need is the lumber and bolts to attach. 21 Hardware Pieces in Kit. Kit contains: 8 side channel irons, 4 side brace rods, 2 wagon box rods, 2 end gate side rods, 1 end gate lift rod, 1 lift rod holder, 2 end gate clips for side rods, and 1 spreader chain. Easy to assemble; no special tools needed. After your lumber is bolted in place you will have one of the finest wagon boxes you have ever seen . . . and at a surprisingly low cost to you.

51A30—Ship. wt. 70 lbs. ..... **Kit** **$18.95**

WHEELS, HUBS, SPINDLES



See how inexpensive it is to put your implements on roller bearing automotive type wheels!

ALL STEEL WHEELS

Drop center type wheels that take standard 6.00-16 tires (tires not included). Riveted and welded with extruded spokes and double thickness spider for heavy duty use. Ford type lug drilling. 5 holes on 5½ in. circle.

49A50—Ship. wt. 20 lbs. ..... **Each** **$5.25**

STUB AXLE ASSEMBLY

1½ in. square forged steel stub axle and spindle assembly. Complete with machined hub, 2 Timken roller bearings and bolts. Fits wheels listed above.

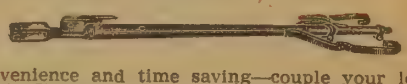
49A51—Ship. wt. 12 lbs. ..... **Each** **$9.85**

58 IN. AXLE ASSEMBLY

1½ in. square, forged alloy steel axle. Complete with spindles, Timken bearings, lug bolts, etc. Wheels not included (use wheels listed above).

49A52—Ship. wt. 55 lbs. ..... **Each** **$21.50**

TELESCOPING HITCHES



TRACTOR & WAGON HITCH with Telescoping and Automatic Coupling device. Enjoy greater convenience and time saving—couple your load by merely backing into it! Uncouple by lifting release handle. Extends from 5 ft. to 9⅛ ft. Adjustable hound. Front; 9½ in. to 15 in. Rear; 17½ in. to 22 in.

51A45—Ship. wt. 66 lbs. ..... **Each** **$19.50**

4 WHEEL TRAILER HITCH. Telescoping type with Box End for any standard trailer or implement. Long adjustment range—79 in. from clevis pin to bolt hole closed, extends to 11 ft. Coupling width adjusts by 16th from 4 in. to 4⅜ in.

51A46—Ship. wt. 50 lbs. ..... **Each** **$14.95**

ADJUSTABLE HOUND that fits any standard wagon. Front adjustment 9½ in. to 15 in. Rear adjustment 17½ in. to 22 in. Durable steel construction.

51A47—Ship. wt. 18 lbs. ..... **Each** **$4.95**

FLAREBOARD IRONS

Complete Set

$5.25

Add a flareboard for extra wagon capacity, or for use at corn picking time. Economical to buy—Easy to install when you have this set of irons. 4 pair of irons in set that will fit any wood wagon, straight or flare. Matched holes to fit any size board that can be secured with ordinary nuts and bolts.

51A31—Ship. wt. 19 lbs. ..... **Set** **$5.25**

Ball Type HITCHES

For Coupling Tractor with Farm Implements

STANDARD DUTY HITCH

With drawbar strength of 10,000 lbs. and tongue bar carrying load of 10,000 lbs. 4 hole mounting. 1⅞" diam. ball with ¾"x3½" bolt.

Stk. No. 25A88—Wt. 6 lbs. **$2.98**

EXTRA BALL

1⅞" diam. with ¾"x3½" bolt.

Stk. No. 25A92—Wt. 1¼ lbs. 69c

EXTRA HEAVY DUTY HITCH

With drawbar strength of 25,000 lbs. and tongue bar carrying load of 15,000 lbs. 4 hole mounting. 2⅝" diam. with 1"x5" steel bolt.

Stk. No. 25A90—Wt. 13 lbs. **$5.85**

EXTRA BALL

2⅝" with 1"x5" bolt.

Stk. No. 25A88—Wt. 3½ lbs. **$1.45**

SAFETY CHAIN

Of welded steel. ⅜" size, with fasteners. Chain 3½ ft. each side of center fastener.

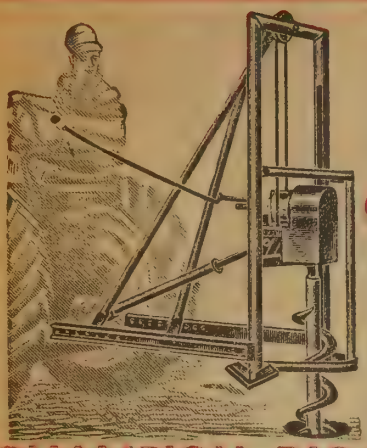
Stk. No. 25A96—Wt. 3 lbs. **$1.98**

UNIVERSAL CLAMP

Of malleable iron, opening adjusts from 3" to 6". Steel bolt ¾"x9".

Stk. No. 25A95—Wt. 4 lbs. **$1.98**

POST HOLE DIGGERS



Choice of 3 types to fit your needs. All 3 of these diggers are ruggedly built along simplified design lines for ease of operation and years of trouble-free farm service.

Our Champion and Economy Diggers will fit any standard Row-Crop tractor model. Power is supplied from rear Power Takeoff shaft of tractor so be sure to specify if your tractor takes 1⅛" or 1⅜" splined coupling when ordering.

CHAMPION ONE MAN DIGGER

The finest post hole digger on the market with dozens of extra features. One man can dig 600 holes a day without ever leaving the tractor seat. Digs a 9" hole 40" deep in 19 seconds, holes clean, even, straight down, with dirt piled evenly around for filling.

Operates with 1 control, easily reached from tractor seat. Can be installed or detached in a few minutes. Digs straight down, can be adjusted for hillside digging. Exclusive fence guard prevents damage when backing into standing fence. Has safety shear pin, steel cut gears, cone type clutch. 6" or 12" auger supplied on special orders.

CHAMPION DIGGER. Complete with 9" Auger. Stk. No. 51A26. Specify make, model, and PTO size. **$219.50**

ECONOMY DIGGER $119.50

For the farmer who wants a top quality digger for occasional use. Sturdily built, digs fast, but requires two men for best operation. Digs holes vertical or at selected angle. Clean, even, straight holes with dirt piled around. Attaches or detaches in a few minutes.

Two men can do a week's work in a day. The operating bar enables the ground man to guide auger to exact spot and to apply pressure to help penetrate hard pan or other baked soils. Permanently sealed, well lubricated gear case with cut steel gears. 9" diam. Auger.

Stk. No. 51A25. Specify model and P.T.O. shaft size.

CHAMPION DIGGER for FORD

Same quality digger as Regular Champion described and pictured above, but tailor made to fit All Ford and Ford-Ferguson tractors. Up and down action is controlled by the tractor's hydraulic lift. Completely controlled from the tractor seat, simplified one man operation. Fastest, most accurate, easiest operated digger for Ford tractors.

Stk. No. 51A27 ..... **$219.50**

FEED AND CONCRETE MIXERS

Each mixer listed below can be used for mixing feed and seed, or for doing necessary concrete work.

3 CUBIC FOOT CAPACITY

PORTABLE MODEL as pictured. Strong frame. Heavy axle and rubber tired wheels for highway travel. 19" V pulley drive for use with either gas or electric motor.

Stk. No. 51A80—PORTABLE MODEL. Each **$59.95**

ABOVE MODEL SHIPPED FREIGHT COLLECT NEAREST BRANCH

STATIONARY MODEL—Same as mixer described above, but with stationary type frame. 19" V pulley drive. For use with gas or electric.

Stk. No. 51A81—STATIONARY MODEL.....Each $43.95

3½ CUBIC FOOT STATIONARY MODELS

FLAT PULLEY for tractor belt drive, 16"x3" size. Semi-steel construction, loads and dumps from either side.

Stk. No. 51A82—FLAT PULLEY STATIONARY MODEL. Each $49.95

V PULLEY for gas or electric motor, 19" size.

Stk. No. 51A83—V PULLEY STATIONARY MODEL.....Each $52.95

ABOVE MODELS SHIPPED COLLECT FROM FACTORY WATERLOO, IOWA

FLEXIBLE HAY FORKS

Tines are ⅜"x1" high carbon steel, forged and drawn for added strength, with sturdy malleable iron lock. Register head enters lock from any angle. When trip rope is pulled, fork dumps clean and even. Second pull on rope locks fork for return to hay rack.

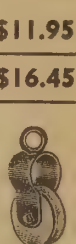
6 FOOT FORK — Includes tines, chains and hitch but not rope
Stk. No. X-949, 40 lbs. **$11.95**

7½ FOOT FORK—Includes tines, chains, and hitch but not rope. **Stk. No. X-948, 50 lbs.** **$16.45**

HAY ROPE PULLEYS

KNOT PASSING MALLEABLE FRAME (at left). Iron axle, with swivel. 6" sheave of seasoned maple treated with linseed oil. Takes ¾", ⅞", or 1" rope. **Stk. No. 19A3.** 3½ lbs..... **.98**

KNOT PASSING STEEL FRAME (at right). Flared edges keep rope from cutting. 6" seasoned maple treated sheave. Takes ¾", ⅞", or 1" rope.
Stk. No. 19A2. 3¾ lbs..... **.83**



HOLLAND Automatic SAFETY RELEASE HITCHES

Hitch Implements to Tractor Without Leaving the Seat

POSITIVE ACTION, SPEEDY COUPLING

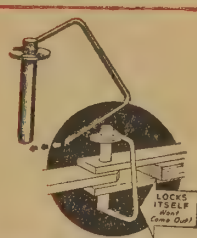
Attaches permanently to drawbar of tractor and can be used to pull any implement equipped with lap ring. Order one hitch and as many rings as you have machines to pull. Couples like a locomotive. Set the trigger by hand, back up to the implement and as the ring enters the hitch it trips and you are coupled. Drive away without leaving the seat. To uncouple, press release lever with hand or toe. No need to dismount. Trigger is set for next coupling.

TENSION TRIP SAFETY RELEASE

After the first coupling, action is entirely automatic. An unusual and highly desirable safety factor is the tension spring release which will automatically uncouple if implement strikes a stump or rock, or otherwise excedes the drawbar safety factor. Free the tow and rehitch. May be set for either light or heavy pulls. Positive protection from that unforeseen misadventure.

Heavy duty hitch—Adjustment for loads 1500 to 8500 lbs. For gangs up to 5 plows.
Stk. No. 25A99. 16 lbs. Each..... **$7.25**

Lap Ring Only for above hitch.
Stk. No. 25A98. 4 lbs. Each..... **$1.75**



EASY HITCH PIN

Works like a safety pin. Line up tractor and implement, slip pin in place, swing down the catch and with a click it locks itself in place. Won't work loose or bounce out. Saves time, prevents mishaps, gives positive coupling. Available in two sizes.

Stk. No. 19A66 ⅝" pin.....59c
Stk. No. 19A67 ¾" pin.....Each 69c
Ship. wt. 2 lbs.

TRACTOR CLEVIS

Heavy duty type, round forged steel with screw pin.

TWISTED CLEVISES

¾" Thickness, opening ¾"x5".
Stk. No. 19A41. 2½ lbs.....Each, **45c**

⅞" Thickness, opening 1⅛"x5".
Stk. No. 19A42. 3¼ lbs.....Each, **69c**

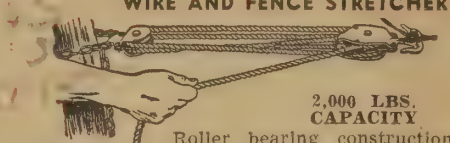
1" Thickness, with ⅞" pin, opening 1½"x4½".
Stk. No. 19A38—4½ lbs.....**Each $1.29**

OVAL TRACTOR CLEVISES

¾" Thickness, opening 1½"x5".
Stk. No. 19A43. 2 lbs.....Each, **45c**

⅞" Thickness, opening 1½"x5".
Stk. No. 19A44. 3 lbs.....Each, **69c**

WIRE AND FENCE STRETCHER



2,000 LBS. CAPACITY

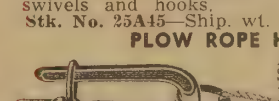
Roller bearing construction. All steel type with 4 sheaves, never-slip safety lock. Complete with 16 ft. of ⅜" rope, 30" of chain and necessary hooks.
Stk. No. 25A48—Ship. wt. 5 lbs.....**Ea. $2.29**

LOAD BINDER

12" Lever with 2½" takeup. Uses ¼" chain. Each with 1 swivel, 2 hooks.
Stk. No. 25A44—Ship. wt. 3 lbs.....**Ea. $1.79**

20" 'I' Beam Handle with 4" takeup. Uses either ⅜" or ½" chain. Each with 2 alloy swivels and hooks.
Stk. No. 25A45—Ship. wt. 11 lbs.....**Ea. $3.25**

PLOW ROPE HOLDER



Automatic Release. Sturdy and practical plow rope holder that will release automatically if plow uncouples. Made of lightweight, long lasting cast aluminum with heavy steel spring. Attaches to tractor seat or fender.
Stk. No. 18A48—Ship. wt. ¾ lb..... **Ea. 98c**

SURE-LOCK *Safety* GRAIN GATE

All Steel Construction

Sure-Lock Grain Gates indestructible, all steel construction. They will outlast box or bin without ever losing their free and positive action. To install—merely cut hole in box or granary, drill bolt holes and bolt in place.

EASY TO USE—SAVES TIME AND MONEY

Here is the Grain Gate that makes the transferring and handling of all small grains so easy—and actually saves enough time and money to pay for itself many times over.

Sure-Lock Grain Gates open and close in channelled guides. This means easier operation—even when grain is flowing. Gate will lock in set position, yet is easily changed by operator. There is absolutely no danger of gate opening accidentally, resulting in costly grain loss.

2 SIZES TO CHOOSE FROM—Farmers have found so many time-saving uses for Sure-Lock Grain Gates that they now come in two sizes. Each is of almost indestructible all steel construction that will outlast box or bin without losing positive action. Easy to install by cutting hole in grainary, drilling bolt holes, and bolting in place.

9"x21" Size—For Wheat, Oats, Small Grains

Guides: 1½"x12" with ¾" channel. Handle: 10". Six ¼" holes for mounting.
Stk. No. X921—Ship. Wt. 15 lbs.....Each **$6.85**

12"x21"—Large Size—For Corn, Beans

Guides: 1½"x17½" with ¾" channel. Handle: 10". Six ¼" holes for mounting.
Stk. No. X922—Ship. wt. 17 lbs.....Each **$7.85**

For Real Time Savings—install these gates on all your grain boxes and farm elevators. Also, for convenience and fast elevator unloading, install 2 or large boxes—one at the rear and one at the side.

High Capacity EARTH MOVER

FULLY HYDRAULIC
OPERATES FROM TRACTOR PUMP
A CHOICE OF 1-1½ cu. yd. OR 1½-2 cu. yd.

Every farmer needs one of these high capacity Earth Movers to preserve and control valuable top soil. Guaranteed performance for easy handling and rugged service. In a few minutes it can do the work that takes days to do by hand.

Fully automatic—works off of your hydraulic pump. Timken bearing axles, drop center wheels.

1-1½ Cubic Yard SIZE

Overall dimensions, 9 feet long, 3'6" high, 6'2" wide overall. Cutting width 4 feet, cuts up to 5 inches deep. ¼" thick by 6" deep cutting bar 4 feet wide. Bowl is made of ¼" steel plate, all electrically welded.

Holds a full cubic yard when filled level, up to 1½ cubic yards when heaped.

1-1½ YD. SCOOP, Complete but WITHOUT Tires or Tubes.....**Stk. No. 51A2** **$349.50**

1-1½ YD. SCOOP, Complete WITH Tires and Tubes.....**Stk. No. 51A1** **$379.50**

1½-2 Cubic Yard SIZE

Similar in construction to above, but built heavier in proportion to load carried. Total weight empty is 1500 pounds. 4'4" high, 7'4" wide overall. Cutting width is 5 feet, cuts up to 5 inches deep. Double quadrants.

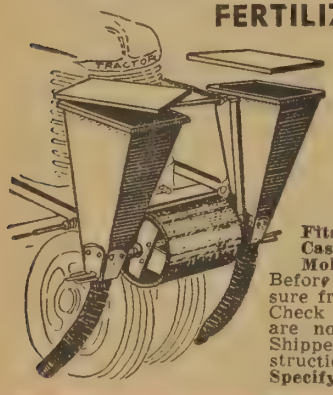
Holds 1½ cubic yards when filled level, up to 2 cubic yards heaped.

1½-2 YD. SCOOP, Complete but WITHOUT Tires or Tubes.....**Stk. No. 51A4** **$499.50**

1½-2 YD. SCOOP, Complete WITH Tires and Tubes.....**Stk. No. 51A3** **$529.50**

Shipped Freight Collect from Omaha—Store prices slightly higher to offset Freight charges.

FERTILIZE AS YOU CULTIVATE



Mounts on Front End of Row Crop Tractors, works as the wheels turn. Places fertilizer near the roots of the growing plants. Holds about 100 lbs. Trip rope permits cutting off at will. The drum drives off the front tires, agitates, and the adjustable feeders control the amount and placing of the chemical. Recommended for use with nitrate concentrates or alkalizers for growing crops.

Fits: IHC H and M—Deere A, B, G, H—Case VC and VAC—Massey Harris—Minn. Moline—Allis Chalmers with starter only.

Before ordering check your tractor to make sure front tires have clearance to drive drum. Check your cultivator to make sure there are no front cross bars to interfere. Shipped partly assembled, and with full instructions. **Stk. No. 49A83.** **Specify exact tractor.** **$74.95**

Hand Operated BURNER AND SPRAYER

Here is one of the handiest units you can own! Burner kills weeds, thaws pipes, heats water, etc. Sprayer handles disinfectants and insecticides for buildings, crops and cattle.

Specifications of Complete Unit

Tank: 3½ gal. capacity, complete with self-locking handle, pump and carrying strap. Tested at 125 lbs. Flame thrower equipment complete with valve and pressure gauge. Sprayer equipment with boom, hose and all fittings. Complete instructions included.

Stk. No. 49A60—COMPLETE UNIT. Ship. wt., 18 lbs..... **$16.95**

Flame Thrower Attachment Only
As Described Above
Stk. No. 49A61—10 lbs. Ea. **$10.95**

TANK AND SPRAYER ONLY
As Described Above
Stk. No. 49A59—10 lbs.....Ea. **$6.95**

Hand sprayer has a self-locking handle for ease and convenience. Burner productes a white hot flame that kills noxious weeds instantly. Burns 94% air, operates about 1 hour on a gallon of fuel.

Barn and Tractor FIREGUARD

Full Quart Size, enough to smother a damaging blaze at the start, compact and easy to use. Can be mounted on the tractor or implement, or on the wall if you prefer. Highly polished seamless drawn brass case, weighs only 8 pounds, is 13½ inches high. Steel safety catch bracket holds extinguisher positively, yet releases quickly when needed.

Charge is guaranteed for 6 months, easily refilled. Pump handle gives effective range of 20-30 ft. Operates at any temperature, even 48° below zero. Chemical is quick vaporizing, most effective on highly voliatile liquid fires, also serves wood, textile, rubbish, and household fires.

FIREGUARD, complete with Fluid and Bracket. **Stk. No. 19A15.** Ship. wt. 11 lbs. EACH..... **$11.45**
EXTRA SAVING on PAIRS—2 for..... **$21.25**
REFILLS FOR ABOVE. Full Quarts. **Stk. No. 19A16.** 3 lbs. Each..... **98c**

ELLIS CONTOURLINER

- **Lays Contours Lines While Plowing or Planting**
- **Eliminates Need of Staking and Surveying**

No longer is it necessary to stake out guide lines from year to year for contour plowing and planting. The time and money used for staking and surveying are SAVED! because Ellis Contourliner does all the work for you.

Mounts on the hood of any tractor—in full view of the operator—and makes possible the running of level contour lines every foot of the way across a field, around points, and on shallow or steep slopes. Size: 8½"x3½"x4".

Ruggedly constructed to give you years of trouble-free service. Gravity operated level mechanism consisting of leakproof aluminum cast case with a T-shaped brass pendulum mounted on brass pivot bearings. Dial is calibrated in percent of slope and shows instantly when tractor moves above or below contour line. Sealed plastic face over indicator is non-breakable.

Stk. No. 3E-98—Ship. wt. 3½ lbs.....Ea. **$19.95**

Mounts on Tractor Hood

Buy With Confidence—Your Satisfaction Is Guaranteed on Every Purchase

LOWER PRICES ON FARM NEEDS

CHAIN HOISTS

HEAVY DUTY—DIFFERENTIAL TYPE

Nationally Famous "BLUE-BOY" Safety Hoists make easy work of heavy lifting jobs with complete safety for the operator. Load positively cannot slip, locks at any point.

Hoists are durably constructed, practically unbreakable, and will last a lifetime. Reinforced at strain points, complete with extra heavy test chain, drop forged and heat treated hooks, heavy malleable blocks.

500 POUND (¼ TON) SIZE
Easily handles 500 pound lift. Lift range 6 feet. Stk. No. 25A50. Ship. wt. 24 lbs..... **$16.95**

1000 POUND (½ TON) SIZE
Handles 1000 pound lifts. Lift range 7 feet. Stk. No. 25A51. Ship. wt. 31 lbs..... **$19.95**

2000 POUND (1 TON) SIZE
Handles a full ton. Lift range 8 feet. Stk. No. 25A52. Ship. wt. 52 lbs..... **$26.95**

3000 POUND (1½ TON) SIZE
Handles ton and a half lifts, range up to 8½ feet. Stk. No. 25A53. Ship. wt. 97 lbs..... **$34.95**

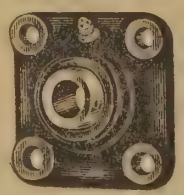
Convert Your Old Mower to Tractor Type

Converts any horse drawn Mower to a Tractor Drawn Type Which the Operator Can Control Right from the Tractor.

Fits any horse-drawn mower. Easy to install—simply cut off old mower tongue, drill 2 holes, connect attachment to sickle bar and it's ready for use. The big feature of this Hitch is that it can be used with the Cultivator mounted and the Tractor wheels set out. Cuts a full swath and clean, square corners when wheels are set out. Operator can raise or lower cutting bar by means of adjustable bar and rope, thereby avoiding gopher piles, rocks, posts and other obstacles. Shipped collect from the nearest branch.
Stk. No. X-1037. Wt. 38 lbs. Each, complete..... **$12.45**

PILLOW BLOCKS

Smooth running ball bearing pillow blocks, reduce friction and anchor shafts securely.
Sealed ball bearings, with grease fitting for lubrication. Heavy casting has slot holes for mounting. Work in any position, any angle. Weight 2 lbs. each.



BASE MOUNTING (top picture)
For ¾" Shaft.....Stk. No. 19A85. } **$2.98**
For 1" Shaft.....Stk. No. 19A86. }
For 1⅛" Shaft.....Stk. No. 19A87 }
For 1 3/16" Shaft.....Stk. No. 19A88. } **$3.49**
For 1¼" Shaft.....Stk. No. 19A89 }

FLANGE MOUNTING (bottom)
3¾" square plate, holes 2¾" apart.
For ¾" shaft. Stk. No. 19A47. } **$3.25**
For 1" shaft. Stk. No. 19A48. }

SET SCREW COLLARS

To fit shafts on all kinds of farm machinery. Iron collars, center hole bored, one side machine faced, complete with set screw. All sizes have ⅜" size screw. Aver. ship. wt., 1 lb. each.

Bore	Stk. No.	Each	Bore	Stk. No.	Each
¾"	20A71	.23	1 3/16"	20A76	.25
7/8"	20A72	.23	1⅛"	20A77	.25
15/16"	20A73	.23	1 3/16"	20A78	.25
1"	20A74	.23	1¼"	20A79	.29
1"	20A75	.23	1 5/16"	20A80	.29

GRAIN DRILL CHAINS

Welded rings, cover seed evenly and provide a dust mulch.
3 Ring type, as pictured **49c**
Stk. No. 26A60.
2¼ lbs. .....Each

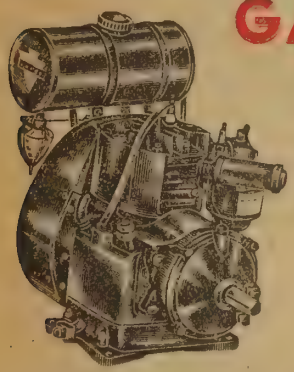
BULL HORN WEIGHTS

Graduated weights so you can keep changing as desired. Furnished with correctly proportioned tapered hole, unpainted.

½ Pound. Stk. No.
20A83. Pair.....85c
1 Pound. Stk. No.
20A84. Pair.....89c
1½ Pound. Stk. No.
20A85. Pair.....95c
2 Pound. Stk. No.
20A86. Pair.....98c

GAS ENGINES - ELECTRIC MOTORS

CLINTON ENGINES



FEATURES OF CLINTON ENGINES

- 4-cycle, single cylinder, L-head, air cooled
- MAGNETO—High voltage output. Ignition cutout provided.
- GOVERNOR—Fully adjustable, centrifugal type, runs in oil
- CARBURETOR—Tillotson or Zenith float feed type
- AIR COOLED—Integral flywheel scroll type blower
- LUBRICATION—Splash type oil distributing system
- STARTER—Rope starter
- DIRECTION OF ROTATION — Viewed from power takeoff shaft end, counter clockwise

CLINTON ENGINES incorporate only the best features of modern engine design, which means easier starting, smoother running and lower operating costs. A power plant you can depend upon. In service under all conditions—from light to the heaviest work—Clinton Engines have given better performance because of their rugged construction. Each engine is tested and inspected under actual running conditions before shipment leaves the factory. These engines excel in economy, durability and low maintenance.

¾ to 1.2 HORSE POWER—Clinton Model '500'

Engine has a 2" bore with a 1⅞" stroke. Piston displaces 5.08 cu. in. Rated power data—at 2,000 RPM develops .6 H.P., 2,800 RPM 1 H.P., 3,600 RPM, 1.2 H.P.
Stk. No. 25A33—Wt. 33 lbs..... **$49.50**

1½ to 2 HORSE POWER—Clinton Model '700'

Engine bore 2" with a 1⅞" stroke. Piston displaces 5.89 cu. in. Rated power data—at 2,000 RPM develops 1.0 H.P., 2,800 RPM, 1.5 H.P., 3,600 RPM, 2.0 H.P.
Stk. No. 25A34—Wt. 40 lbs..... **$59.50**

2½ to 3 HORSE POWER—Clinton Model '1100'

Engine bore 2⅜" with a 1⅞" stroke. Piston displaces 8.4 cu. in. Rated power data—at 2,000 RPM develops 1.8 H.P., 2,800 RPM, 2.6 H.P., 3,600 RPM, 3.0 H.P.
Stk. No. 25A35—Wt. 42 lbs..... **$74.75**

GEAR REDUCTION ASSEMBLIES for use requiring slower speeds are available in the following ratios: 6 to 1; 4 to 1; 2 to 1. Each shipped from factory only. Specify ratio wanted, also motor model. **Reduction Assembly illustrated on above motor.**
Stk. No. 25A38.....Each **$15.50**

SPLIT-PHASE TYPE

For jobs where low starting current is important.

CAPACITOR TYPE

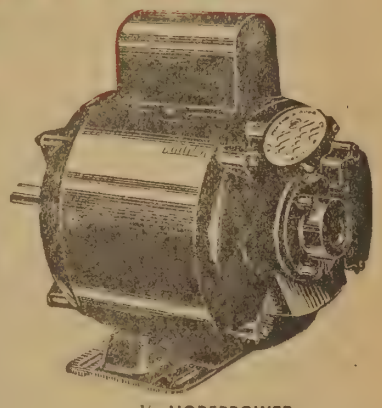
For hard starting loads that require continuous operation.

⅓ HORSEPOWER SPLIT PHASE MOTOR

Designed for intermittent use on the farm for such applications as washing machines, ironers, driers, bench tools, small paint sprayers, etc. Operates on 115 volts, 60 cycles A.C. at 1725 rpm. Temperature won't rise more than 50° centigrade room temperature. ½" shaft precision ground for minimum vibration. Rigid mounting type. Precision diamond-bored sleeve bearings. Trouble-free windings with highest quality insulating materials. Oil-impregnated felt lubricators. Improved, long-life starting switch. Cast-in terminal switch for either open or conduit wiring. Standard rotation, counter-clockwise.
Stk. No. 25A70
Ship. wt. 26 lbs..... **$13.95**

¼ HORSEPOWER CAPACITOR MOTOR

Dependable power unit for applications such as water pumps, feed mixers, air compressors, milking machines, etc. 40° rise continuous duty motor to carry belted or coupled loads. Operates at 115 volts, 60 cycles A.C. 1725 rpm. Built-in overload protector automatically shuts off motor when overload occurs. ⅝" shaft diameter. Drip-proof sleeve bearings. New type 4-point resilient mounting.
Stk. No. 25A71.
Ship. wt. 35 lbs..... **$19.95**



⅓ HORSEPOWER CAPACITOR MOTOR

Operates at 115/230 volts, 60 cycle A.C. 1725 rpm. ⅝" shaft precision ground for minimum vibration. Automatic built-in overload protector prevents motor from burning out. Oil-impregnated felt lubricators. 4-point resilent mounting.
Stk. No. 25A72
Ship. wt. 40 lbs..... **$28.50**

½ HORSEPOWER CAPACITOR MOTOR

For most heavy duty jobs on the farm. Operates at 115/230 volts, 60 cycle A.C. 17225 rpm. Automatic built-in overload protector prevents motor from burning out. Precision diamond-bore bearings. 4-point resilient mounting. Performance characteristics are better than accepted industrial standards.
Stk. No. 25A73
Ship. wt. 42 lbs..... **$39.95**

Order MORE and Save MORE—We Prepay $20.00 Shipments—See Page 3

COMPRESSED AIR EQUIPMENT for the FARM

SPRAY GUNS

Choice of types and prices to suit your needs. Each is an outstanding buy in its class and will provide dependable service. All guns are intended for use with small compressors and have low air consumption. Feed direct to guns, no storage tank required. Unless you have air hose now, be sure to order hose from separate listing below as hose is not included in gun package.

ECONOMY SPRAY GUN

Pint size aluminum container. Round spray nozzle, for light touch up work, furniture, trim, etc. Works with compressors at right, or spark plug pump at bottom right.
Stk. No. 27A4—Shp. wt., 1½ lbs. Each.... **$3.75**

UTILITY SPRAY GUN

Quart size aluminum container. Bleeder type, air by-passes through and sprays only when trigger is pulled. 3 hardened steel nozzles, round for touch-up, narrow for irregular surfaces, fan for floors and ceilings. Uses only 2 cubic feet maximum per minute, use with either of compressors at right.
Stk. No. 27A5—Ship. wt., 3 lbs..... **$7.25**

DE LUXE SPRAY GUN

Internal break-up pressure feed bleeder type gun, can also be converted to external mix by adding kit listed separately below. Quart aluminum container, or can be used with pressure feed tank shown below. Top quality construction for best spray painting. Complete with 3 nozzles, round for touch-up, narrow for irregular surfaces, fan for large areas. For use with larger compressors 27A2 or 49A95 at right. Built in oil and moisture filter in handle.
Stk. No. 27A7—Ship. wt., 4 lbs..... **$10.45**

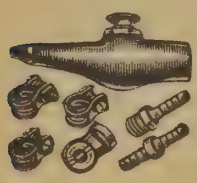
EXTERNAL CONVERSION KIT FOR 27A7 GUN
Permits spraying of fast drying materials, fancy patterns, etc., without changing nozzles. Adjusting ring changes pattern from small round dot to wide fan. Use with 27A7 gun above only.
Stk. No. 27A9—Ship. wt., 1 lb..... **$3.75**

SPRAY GUN HOSE WITH COUPLINGS

HOSE ONLY—Tough rubber impregnated fabric hose which will withstand long and continued hard use. 15' long, connections both ends to fit compressor and above gun. **$1.98**
Stock No. 27A10. Ship. wt.....

AUXILIARY 2½-GALLON TANK ASSEMBLY

Time-saving tank assembly that eliminates frequent refilling of spray gun container on large jobs. With this tank assembly you can spray constantly without interruption for several hours. Tinned sheet steel tank, domed cover, and hanging hook. Supplied with 15 foot hose and connections. Can be used with either 27A6 or 27A7 spray guns.
Stk. No. 27A12. Ship. Wt. 22 lbs..... **$21.50**



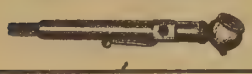
AIR BLOW GUN

All metal, air release button on top. ⅛" high velocity nozzle directs powerful blast. Clean fuel, oil lines, dry ignition, blow out dust, chips, etc. ¼" external thread for standard air line.
Stk. No. 19A62.
Wt., 12 oz..... **98¢**

AIR HOSE REPAIR KIT

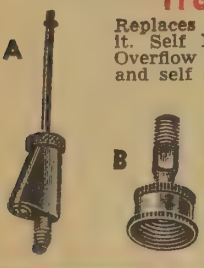
For standard ¼" I.D. air hose. Six parts as pictured at bottom—detachable tire chuck, hose coupler, hose end, with 3 clamps. Repair old hose or make up new units in desired length.
Stk. No. 19A63.
8 oz. ..... **59¢**

TIRE GAUGE



Accurate low pressure pencil type tire gauge that registers each pound from 3 to 50. Handy pocket clip adjustable to pocket depth.
Stk. No. 19A1. Shpg. wt., 8 oz. .....Ea. **$1.19**

Tractor Tire WATER VALVE



Replaces regular tube valve stem. Screw it on and leave it. Self Bleeding—bleeds air as tire fills with solution. Overflow tube assures filling to proper level. Non-corrosive and self cleaning—machined from brass.

When filling tires with water or solution, attach the hose coupling adaptor and start pump—tire fills to desired level, bleeding air automatically, and tire will take only wanted amount of fluid. Easy to remove solution from tire too.

(A) Tire valve only. Stk. No. 19A4. 4 oz. Ea. $1.35
(B) Hose Adaptor only.
Stk. No. 19A5—4 oz. Each..... .75
COMBINATION—2 tire valves and 1 hose coupling adaptor. **Stk. No. 19A6.** 12 oz..... **$3.25**

AIR COMPRESSORS

Streamlined Compressors, complete with steel base plate for motor mounting, drive pulley, pulley for motor, and belt. Order Motor, Gun, and Hose separately.
Sturdy high quality portable compressors which can be operated with your own 1,725 rpm. electric motor or with motors listed below. These light weight compressors can be used for paint spraying, spraying of insecticides, inflating tires and pressure greasing of machinery.
Balanced aluminum alloy piston for smooth, quiet operation. Furnishes steady air supply while compressor is operating—no time required to build up pressure. Heavy sheet metal base has mountings for motor, and whole unit is portable. Available in two sizes—regular duty and heavy duty. Spray gun, hose and motor not included.

¼ H.P. COMPRESSOR

Regular Duty Compressor—Takes ¼ H.P. motor. Aluminum alloy 3 ring piston in a cast iron cylinder. The rated air output under pressure is 2.58 cubic feet per minute under head pressure of 30 lbs. Adjustable safety pop-off valve. Compressor operates from any ¼ H.P. electric motor at 1,725 rpm.
Stk. No. 27A1. Ship. wt. 20 lbs. Compressor only, pictured above; **order motor, gun, and hose separately**..... **$24.95**
ELECTRIC MOTOR for above. (See page 19)
Stk. No. 25A70—26 lbs..... $13.95

⅓ H.P. COMPRESSOR

Heavy Duty Compressor—Takes ⅓ H.P. motor. Balanced 2¼" aluminum alloy piston for smooth and quiet operation. Rated air delivery 3 cu. ft. at 40 pounds spraying pressure. Adjustable safety pop-off valve. Timken bearing mounted. An excellent value in a heavy duty compressor for spray and insecticide spraying, tire inflation and pressure greasing.
Stk. No. 27A2. Ship. wt. 45 lbs. Compressor only, pictured above; **order motor, gun, and hose separately**..... **$39.95**
ELECTRIC MOTOR for above. (See page 19)
Stk. No. 25A72—40 lbs. $28.50

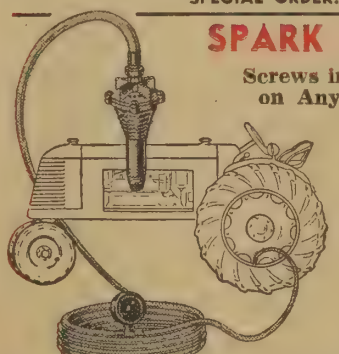
Curtis AIR COMPRESSOR

110 V. Electric Operated. Fully Automatic.
120-150 Lb. Pressure—20 Gallon Tank

Pressure Reservoir type compressor which maintains 120 to 150 lbs. of pressure in big steel tank by complete automatic action. No pulsation, and pressure motor operates only when pressure goes below set minimum. Made by one of the leading manufacturers of industrial and service station equipment. Will operate day in and day out without service needs. Timken main bearings, drop forged crank, micrometer ground piston and rings. Self oiling positive lubrication, slow speed operation. Compressor has 2⅛" piston, air cooled, delivers 2.7 cu. feet of air at 150 lbs. pressure. Automatic switch cuts in when pressure drops to 120 lbs., cuts out at 150 lbs.

Stk. No. 49A95—Wt. 280 lbs. SHIPPED FREIGHT PREPAID **$176.50**
AIR HOSE UNIT—Needed with above compressor. 20' of ¼" hose with fittings. **Stk. No. 49A98**.....Each $6.45
LARGER COMPRESSORS AND GAS ENGINE DRIVEN UNITS AVAILABLE ON SPECIAL ORDER. WRITE FOR PRICES.

SPARK PLUG TIRE PUMP



Screws into the Spark Plug Hole on Any Tractor—Car—Truck

Complete Unit contains adapters to fit any standard spark plug hole thread. Positive check valve prevents motor fumes mixing with air supply.

Provides air pressure of 50 to 100 pounds, depending entirely upon the compression in the motor used.

TO OPERATE, SIMPLY REMOVE ONE SPARK PLUG FROM MOTOR, INSERT THE PUMP WITH PROPER SIZE BUSHING FROM KIT, AND START THE MOTOR.

COMPLETE PUMP UNIT—Consists of pump assembly with 4 adapters to fit all standard plug sizes. Long air hose and **PRESSURE GAUGE** inserted in air line.
Stock No. 25A-30. Shpg. wt., 3½ lbs. **COMPLETE**..... **$3.45**

REPLACEMENT PUMP HEAD FOR 25A30 TIRE PUMP—Fits any pump listed above. Use old hose, adaptors, etc.
Stk. No. 25A29—Wt. 1 lb.....Ea. $1.29

Special Spark Plug Tire Pump for Ford Tractor.
Stk. No. 25A31. Shpg. wt., 3½ lbs.....COMPLETE **$3.45**

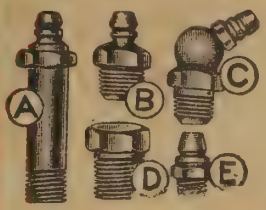
Regardless of Size, All Mail Orders Are Shipped Within 6 Hours

PRESSURE LUBRICATION NEEDS

NEW LOW PRICES ON

GREASE FITTINGS

BALL CHECK ORIGINAL EQUIPMENT TYPE



(B) 1/8" STRAIGHT	Stk. No. L-10. Ea., 5c	Pkg. of 12,	43c
(C) 1/8" 30 Degree Angle	Stk. No. L-11. Ea., 10c	Pkg. of 12,	87c
(C) 1/8" 60 Degree Angle	Stk. No. L-12. Ea., 10c	Pkg. of 12,	87c
(C) 1/8" 90 Degree Angle	Stk. No. L-13. Ea., 10c	Pkg. of 12,	87c
(A) 1/8" Extended, 1 3/4" Long	Stk. No. L-14. Ea., 15c	Pkg. of 6,	75c
(B) 1/4" STRAIGHT	Stk. No. L-16. Ea., 12c	Pkg. of 6,	59c
(C) 1/4" 60 Degree Angle	Stk. No. L-17. Ea., 15c	Pkg. of 6,	75c
(E) Midget 1/4" actual size, 28 taper thread as used on harrows, etc.	Stk. No. L-15. Ea., 5c	Pkg. of 12,	49c
(D) ADAPTER, uses 1/8" fitting in 1/4" hole	Stk. No. L-18. Ea., 10c	Pkg. of 12,	95c

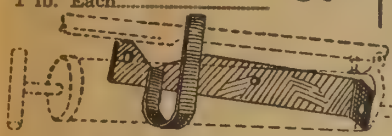
ASSORTMENTS

36 FITTINGS
36 assorted fittings, all 1/8" size, 24 straight and 12 angle.
Stk. No. L-3. 1 lb. **$1.69**

60 FITTINGS
DeLuxe Farm assortment contains 60 fittings in most needed farm sizes. All 1/8" pipe thread, includes 24 straight and 36 assorted angles.
Stk. No. L-6. 3 lbs. **$3.19**

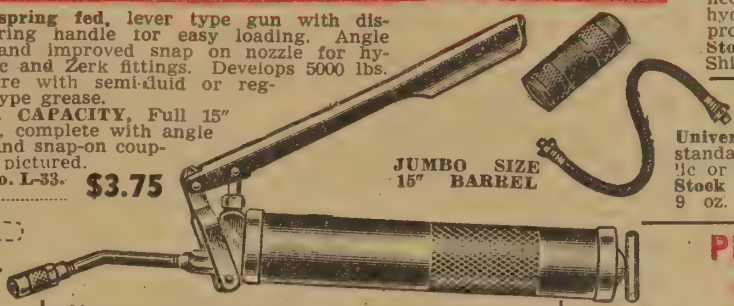
GREASE GUN BRACKET

Have a place for your gun and you know where it is. Mount anywhere on tractor, implement, or in tool shed. Remove one bolt or nut, attach bracket and replace. Holds gun securely. Fits our gun, both sizes. Also fits most standard grease guns.
Stock No. L-30. 1 lb. Each **89c**



JUMBO GUN

Full spring fed, lever type gun with disappearing handle for easy loading. Angle pipe and improved snap on nozzle for hydraulic and Zerk fittings. Develops 5000 lbs. pressure with semi-fluid or regular type grease.
29 oz. CAPACITY, Full 15" barrel, complete with angle pipe and snap-on coupler as pictured.
Stk. No. L-33. 7 lbs. **$3.75**



20. oz. CAPACITY—Same as described above with 11½" barrel, with pipe and snap-on coupler.
Stk. No. L-36. 5½ lbs. **$2.75**

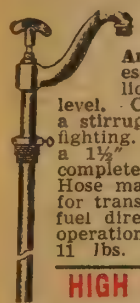
12" FLEXIBLE HOSE

For hard to reach fittings; 3 ply neoprene, fittings for gun and hydraulic coupler. 12" long. Leakproof.
Stock No. L-44. Ship. wt., 1 lb. Each **$1.89**

SNAP COUPLER

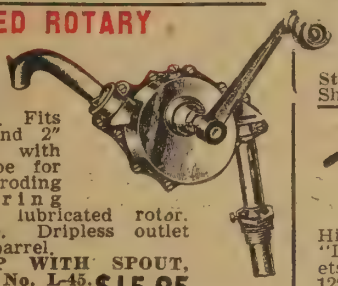
Universal 1/8" pipe thread fits all standard guns. Snaps onto hydraulic or zerk type fittings.
Stock No. L-43. 9 oz. Each **65c**

PULL-UP PUMP



An inexpensive all metal pump especially useful for withdrawing liquids from drums set on a low level. Operator lifts upward, similar to a stirrup pump used for spraying or fire fighting. Threaded to screw into either a 1½" or 2" bung, 42" high overall, complete with suction and outlet pipes. Hose may be coupled to pump and used for transferring oil, gas, alcohol or liquid fuel directly from barrel to tank in one operation. **Stock No. L-38.** 11 lbs. Each **$3.75**

HIGH SPEED ROTARY



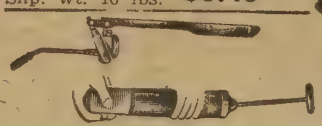
Handles gas, kerosene, lube oil, alcohol, etc. Pumps 10 gal. per min. Normal lift 10 ft. Fits drums with 1½ and 2" bungs. Furnished with 42" suction pipe for drum. Non-corroding zinc alloy, bearing mounted, pressure lubricated rotor. Never loses prime. Dripless outlet drains back into barrel.
COMPLETE PUMP WITH SPOUT, as pictured. **Stock No. L-45.** 13 lbs. Each **$15.95**

BARREL FAUCET

All metal, male ¾" pipe thread for 1" drum opening. May be padlocked.
Stock No. 19A-69. Ship. wt. 1½ lbs. Each **$1.10**

DISPENSER

Lid, handle, spout, and 4 ft. hose assembly fits right onto any standard 25 or 40 pound grease pail. Works with gun type greases or semi-fluid transmission type. The unit can be used to fill transmission, differential, and gear cases.
Stk. No. L-47. Shp. wt. 16 lbs. **$6.45**



Packaged Gun Grease
Convenient
No Waste
Dependable

Highest quality grease packed in handy 1 lb. "Lube-Tube." No waste—No dirt—No air-pockets—No mess. Fits any standard bore 2⅛" diam. 12" gun with plunger adaptor listed below. (Fits both grease guns listed on this page).
1 lb. GUN GREASE TUBE
Stk. No. L-21 ..... Ea. **23c**
Case of 24, 1 lb. tubes ..... Case **$4.98**

GREASE GUN PLUNGER ADAPTOR
Stk. No. L-22 ..... Ea. **45c**

SPECIAL INTRODUCTORY OFFER **$5.19**
2¼ 1 lb. Grease Tubes with Adaptor.....

PRESSURE OILERS

- All Metal Construction
- Bronze Sleeve Pump
- Designed for Positive Action

6 OZ. WITH HOLDER
6" spout with base or wall mounting bracket. **Stk. No. L-27.** 8 oz. Each **$1.19**

PINT SIZE
9" 45 degree spout, rustproof finish. **Stk. No. L-28.** 1¼ lbs. Each **$1.49**

QUART SIZE
11" detachable vertical spout, rustproof. **Stock No. L-29.** 2½ lbs. Each **$2.59**

8 FT. OIL DISPENSING HOSE

For use with plunger and rotary pumps at left. 8 ft. oil resistant hose with static wire for grounding, nozzle and threaded coupling. Will handle all liquids except highly volatile solvents
Weight 4 lbs.
Stock No. L-41. Each **$3.75**

WHEEL BEARING GREASE

One pound can, extra stringy.
Stk. No. L-53. Each **29c**

1 Man HIGH PRESSURE FARM LUBER

Develops 6000 Pounds Pressure, One Pull of Charging Handle fills hose for lubricating 40 to 50 grease fittings.

Handles all usual farm greases, fits onto top of any standard 25, 35, or 50 pound grease pail. Adjustable depth.

Here is the best answer yet for greasing farm equipment, tractors, combines, pickers, and other implements that have terrific numbers of grease fittings that you must service very frequently. Handy cover assembly fits onto grease pail and eliminates need to transfer greases. Plunger handle has pipe which sticks down into grease. Up and down stroke on plunger fills hose line with grease. Trigger handle releases grease and feeds it into grease fitting at 6000 pounds pressure.
Complete with 10' Hose. Stk. No. L-55. 20 lbs. **$17.50**

AIR POWER FARM GREASE GUN

Works with any small compressor and gives regular service station greasing right on the farm.

Develops greasing pressure 50 times as strong as the air pressure applied. Air trigger in handle delivers a full shot of grease with each squeeze, giving you full control of grease volume.

Gun is light in weight and easy to handle. Uses little air volume and is designed to work with small compressors or even spark plug tire pumps. Ease of operation promotes lubrication when needed and will cut your machinery repair bills. Gun takes ¼" air hose.

Power Gun Complete, to be used with your own compressor and air hose. Ship. wt. 6 lbs.

$14.95
Complete
Stk. No. L-49

You Will Always SAVE When You BUY From TRACTOR SUPPLY

TRACTOR UMBRELLAS For Summer Comfort

ALL-STEEL CONSTRUCTION

Umbrella can be raised or lowered without removing from shaft.

IMPROVED OFFSET TYPE

Improved shaft is made of 1¼" diameter polished steel. High tensile spring steel bows prevent umbrella from turning inside out in wind gusts. Heavy duty 8 oz. duck cover with 2-tone design. A well made, sturdy umbrella that will give you years of satisfied service. See below for correct mounting brackets for your tractor. **$10.95**

Stk. No. 49A30—Wt. 14 lbs.

MOUNTING BRACKETS FOR ABOVE UMBRELLA

Tailor-made and guaranteed to fit as indicated for models shown.

Stk. No.	Fits Tractor Models	Mounting Position
49A31	DEERE A, B, G, GM, & H (Before 1947); IHC Reg. F-20, F-30, Cub; ALLIS CHALMERS B, C; M.H.55	Steering Post
49A32	DEERE, A, B, GM, H (1947 & after)	Steering Post
49A33	All FORD & FORD FERGUSON	Steering Post
49A34	CASE DC & SC	Right Fender
	VAC	Drive Shaft Housing
	LA	Under Seat
49A35	ALLIS CHALMERS WC	Steering Post
49A36	OLIVER 60, 70, 80	Fender & Axle Housing
49A37	IHC A & B	Trans. Housing & Steering Post
49A38	MINNEAPOLIS MOLINE Z & U	Top Trans. Cover
49A39	MASSEY HARRIS 101 Sr. & Jr. 20, 30, 44	Top Trans. Cover

Ship. Wt. for above Umbrellas 2 lbs. ..... Each **$1.75**

STRAIGHT TYPE UMBRELLA

The old reliable tractor umbrella as used for years and still popular. Heavy duty construction with 1¼" tubular steel handle, 66" high. 6 rib type with heavy tan drill cover. Umbrella complete less brackets. (Brackets listed below.)

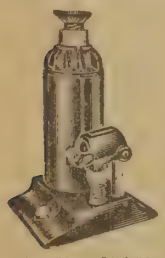
Stk. No. 49A45 ..... Each **$6.95**

STEERING POST BRACKET—Clamps on to any vertical column.
Stk. No. 49A43—Wt. 1 lb. ..... Each $1.50

UNIVERSAL UNDER-SEAT BRACKET—12" clearance from seat bolt.
Stk. No. 49A46—Wt. 1 lb. ..... Each $1.29

REPLACEMENT CANVAS COVER (For Straight Type Only).
Stk. No. 49A29—Wt. 2 lbs. ..... Each $3.95

HYDRAULIC JACKS

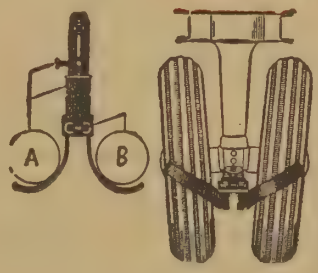


POWERFUL . . . DEPENDABLE . . . INDISPENSABLE ON THE FARM

Here is a powerful hydraulic jack for every tractor, truck or service need. All jacks tested at 1½ times rated capacity. Large serrated load base prevents slipping when in operation. Large diameter screw extension for greater height. Safety oil vent prevents jack from being forced beyond extremity of lift. Instant flow safety release screw gives safe and easy control. Jack need not be dismantled to clean. Valves are easily accessible — steel piston cylinder can be removed.

Stk. No. 25A60—1½ TON—Lifting range 7" to 12¼". 2" extension screw gives total height of 14¼". Wt. 7 lbs. **$6.59**
Stk. No. 25A61—3 TON—Lifting range 8½" to 14½". 3" extension screw gives total height of 17½". Wt. 13 lbs. **$9.98**
Stk. No. 25A62—5 TON—Lifting range 8½" to 14½". 3" extension screw gives total height of 17½". Wt. 15 lbs. **$12.45**
Stk. No. 25A63—8 TON—Lifting range 9" to 15¼". 4¼" extension screw gives total height of 19½". Wt. 22 lbs. **$14.35**
Stk. No. 25A64—12 TON—Lift range 9" to 15". 3" extension screw gives total height of 18". Wt. 27 lbs. (Not stocked in all stores) **$22.45**

FRONT WHEEL SCRAPER

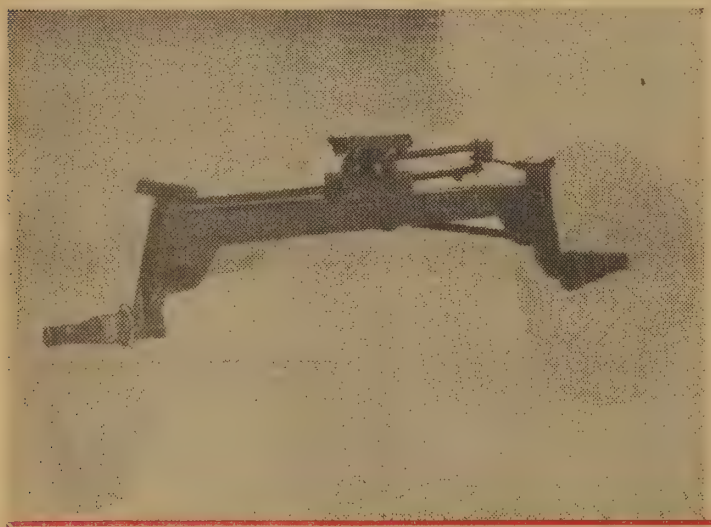


PREVENTS THE ACCUMULATION OF DIRT AND TRASH WHEN WORKING IN SOFT FIELDS

High Carbon Steel Scraper Blades—Built for years of service on farm tractors. The heavy steel frame holds the blades rigidly in place, scraping all trash and mud from front tires. Easily installed or removed in a few minutes. Shipped assembled, with full instructions for mounting on tractor. **Fits all IHC, Farmall, Deere, and Allis Chalmers Row Crop Tractors. Stk. No. 49A80. Ship. wt. 15 lbs. Each** **$5.95**

Trasco Converter Axle for Row Crop Tractors

- **Enjoy the Convenience of Having Two Tractors in One**
- **Wheels Have Independent Up and Down Movement**
- **Installation Takes Only 30 Minutes**
- **Available in 55" or 66" Treads**



It's just like having a second tractor on your farm when you own a Trasco Converter Axle. You have the benefits of your row crop tractor—plus the advantage of having a standard front end tractor that can do so many jobs better.

Improved ball and socket suspension joint permits each wheel to ride up and over obstacles. Up and down movement is approximately 10". Another Trasco feature is the speed in which you can install your conversion unit. 30 minutes is all the time it takes, and there are no "extra" brackets or fittings required.

AXLE COMPLETE WITH BRACKETS AND FITTINGS

All axles are supplied with necessary brackets, linkage and bolts. On all tractors except DEERE you remove the front wheels and bolster to mount as shown in illustration. On the DEERE models you remove only the wheels, leaving the row crop axle in place. Steel sleeves are furnished to protect the spindles when not in use. Your present wheels and bearings mount on converter axle without alteration.

OUTSTANDING FEATURES OF THE TRASCO CONVERTER AXLE

All Ball & Socket joints are case hardened for extra service. Beam to ground is approximately 22", axle is made of 3"x3" steel beam. Engineered for easy steering—turning radius is only 5 ft. Heavy duty tie rod ends. Thrust bearings made of ¼" bronze. Standard lubrication fittings for all moving parts. **Wt. 135 lbs. Specify 55" or 66" tread.**

STK. NO.	CONVERTER AXLE FOR MODELS SHOWN	PRICE
52A20	Farmall H	$109.50
52A21	Farmall M	$114.50
52A22	Farmall Regular	
52A23	Farmall F-20	
52A26	John Deere A	
52A27	John Deere B	
52A29	Allis Chalmers WC	
52A28	John Deere G, GM	$117.50

You Can Be Sure of Extra Fast Service When You TELEPHONE or TELEGRAPH

MAKE YOUR OWN HYDRAULIC POWER LIFT

HYDRAULIC CYLINDERS
. . . WITH 2-WAY POWER STROKE

- **Complete Power Control Without Leaving Your Tractor Seat**
- **Uses Maximum Capacity of Your Hydraulic System Without Bending or Distorting**

TODAY, Hydraulic Power has replaced the mechanical lifts of YESTERDAY! Enjoy the convenience of trouble-free hydraulic operation of all your farm equipment. This modern way saves you Time, Labor, and Money—EVERY DAY! Installation is easy . . . and the cost is surprisingly low if you select your Cylinders, Pumps and Parts from this page.

2½" BORE HYDRAULIC CYLINDER

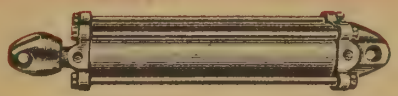
Extended 37"
Retracted 27½"
Stroke 9½"

Cylinder barrel is 11¾" long, made of 3" seamless steel tubing; interior is ground and polished to mirror finish. Piston made of aluminum bearing alloy with 1" connecting rod shaft of hardened steel. Pressure sealed with latest type Neoprene "O" rings seal for long life. Threaded inlet and outlet holes to take ⅜" hose lines. (Hoses listed separately.)

Stk. No. 50A45—Ship. wt., 18 lbs.....Each **$17.95**

3" BORE HYDRAULIC CYLINDER

Extended 31"
Retracted 20¼"
Stroke 10¾"



Husky . . . Dependable . . . Lightweight . . . built to rigid ASAE Standards for those who want the finest in hydraulic cylinders.
Heavy duty type to withstand the hardest farm use and always be on the job. End caps, piston and clevis rod end are made of corrosion-resistant, die cast aluminum alloy. All exposed steel parts are cadmium plated. Cylinder wall is of the best quality seamless steel tubing. Rust-proof piston ram. Four aircraft seals hold operating pressure to 1,200 p.s.i.
Positive action 2-way power stroke will easily develop the maximum capacity of your hydraulic system.
Designed according to the present standards for manufacturers of new equipment. Streamlined . . . lightweight for easy handling and installation—will fit all of your present implements. Oil ports are threaded to fit standard ⅜" hose connections. Both ends standard clevis to fit 1" diameter cross-pins. Cylinder is complete less hoses. (Hoses listed separately.)

Stk. No. 50A40—Ship. wt., 18 lbs.....Each **$28.50**

HYDRAULIC HOSE

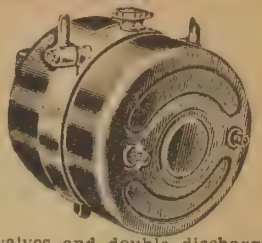
Flexible High Pressure Type Reinforced—Oil Resistant

A Dependable Hydraulic System Needs High Quality Hose Lines!
And these are the best . . . made of oil resistant, high quality seamless rubber with 1 layer of wire braid for maximum protection and safe flexibility. Light in weight and very flexible, these hoses are for hydraulic use on machinery, industrial equipment, scrapers, etc. Hose is ⅜" diameter for all standard hydraulic cylinder applications. Recommended working pressure up to 1200 lbs. Hose fitted with ⅜" end fittings, one end with swivel head for ease in coupling. End coupling with square shoulder for wrench tightening.

LENGTH: 15 inches	Stk. No. 50A44	Wt. 1½ lbs.	Each	$1.98
LENGTH: 3 Ft.	Stk. No. 50A47	Wt. 2 lbs.	Each	$ 3.25
LENGTH: 6 Ft.	Stk. No. 50A46	Wt. 3 lbs.	Each	$ 5.45
LENGTH: 9 Ft.	Stk. No. 50A49	Wt. 4 lbs.	Each	$ 8.95
LENGTH: 12 Ft.	Stk. No. 50A48	Wt. 5 lbs.	Each	$10.95

REPLACEABLE END FITTING—⅜" male thread. To replace end couplings on all ⅜" hydraulic high pressure hose lines.
Stk. No. 50A36—Ship. wt., ¾ lb.....Each **$1.15**

4-WAY HYDRAULIC PUMP



Equip your tractor with the newest in hydraulic power for faster performance of farm work without difficult and dangerous mechanical lifting.
The equivalent of two pumps in one—permits the operation of two hydraulic implements at once, as with a loader and stacker attachment, or gives power action both ways with new type hydraulic cylinders.
Develops up to 1000 pounds pressure, mounts direct on power takeoff, operates at 250-750 r.p.m., and large reservoir holds 2½ gallons of fluid.
3 Gear double pump, with double control valves and double discharge ports for operating two circuits. Balanced valves return to neutral from any position. Safety unloader valve, built in filter, hard alloy steel shafts, 2½ gallon built in reservoir, flexible coupling to power takeoff shaft, light weight (40 lbs.).

COMPLETE WITH MOUNTING BRACKETS & P.T.O. COUPLER
Specify exact Make, Model, Year Built, and Serial Number of Tractor. Stk. No. 50A69. Complete **$77.50**

PUMP ONLY—WITHOUT MOUNTINGS
Stk. No. 50A65—Wt. 40 lbs.....Ea. **$64.75**

Flexible Coupling to Connect Pump to P.T.O. Shaft
Stk. No. 50A62—For 1⅜" P.T.O. shaft. Wt. 2 lbs.
Stk. No. 50A63—For 1⅛" P.T.O. shaft. Wt. 2 lbs..... **$5.95**

HYDRAULIC VALVES

Easily operated hydraulic valves for use as required when adapting hydraulic pumps to multiple implement operation. Fully machined pressure seats, hold full pressure securely. Valves are complete, ready to install, hoses NOT included.

MULTIPLE UNIT VALVE
For use in hydraulic systems which now have single acting control only—to convert for control of both single and double acting implements. For example, to operate a two-way pushoff stacker in connection with hydraulic loader. You can raise or lower the loader itself, and direct pressure to either push off or return the stacker mechanism. At left. **Stk. No. 50A67**..... **$28.95**

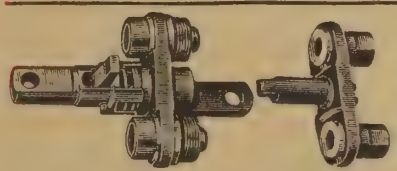
DOUBLE ACTION VALVE
For converting single acting systems for use of two-way pressure hydraulic cylinders, as in raising or pressure lowering a plow. At right. **Stk. No. 50A68**..... **$14.95**

HYDRAULIC SNAP COUPLER

Coupler includes fittings for both pump line and implement line. Order extra implement fittings to work with same pump line fitting.

COMPLETE COUPLER
St. No. 19A32—Wt. 1½ lbs..... **$7.50**

EXTRA END FITTING
Stk. No. 19A32X—Wt. ½ lb.....$2.00 **FITS ⅜" & ½" HOSES**



BREAKAWAY COUPLERS

PROTECTS HYDRAULIC LINES IN EVENT OF ACCIDENT

Fits ⅜" or ½" Hose Lines

The biggest headache in hydraulic operation comes when plow or implement is disconnected from tractor accidentally. Avoid this hazard by installing the new Aeroquip Breakaway Coupling. It is a TWIN unit connecting both pressure and return lines between tractor and implement when using 2-way power pump and cylinder. An external tug disconnects either or both lines. Automatically sealed. Trigger release for manual uncoupling.

Stk. No. 50A37—COMPLETE UNIT—Ship. wt. 6 lbs.....Each **$22.00**

MODERNIZE YOUR JOHN DEERE POWER LIFT

NEW VALVE ASSEMBLY WORKS LIKE NEW MODELS
RAISE—STOP—RAISE AGAIN WITHOUT LOWERING

5 Positions at Your Fingertips
You can lift a load part way, fast or slow, hold it while moving the tractor, then re-raise without first lowering. You have five control positions—two UP (fast and slow)—two DOWN (fast and slow)—and HOLD.
These 5 positions are illustrated in the phantom picture at the right. You can imagine the convenience when working with a hydraulic loader, or with your cultivator or any other implement.
John Deere recognized the need for an improved control of this type and incorporated similar performance into the very latest models of A and B production.
Any load or implement can be raised, lowered, re-raised, lowered, stopped at any point, any time.

Fits 1937-46 John Deere A or B
The original control valve on 1937-46 Deere A and B power lifts required you to reset after holding. This new control valve changes and improves the power lift so that you can operate like the 1947 models.

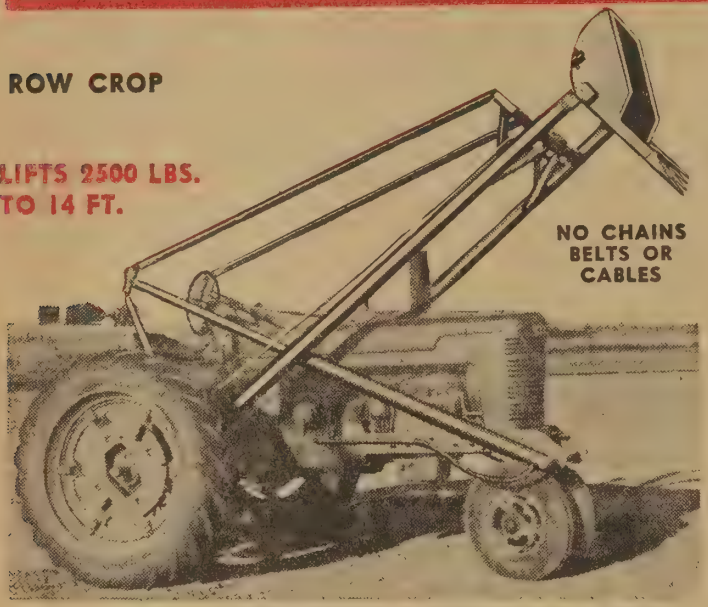
NO DRILLING OR MACHINING REQUIRED
The kit contains all parts and fits right in without the use of any special tools or machine shop operations. Thousands of Deere owners have modernized this operation and report enthusiastically over the change.
Stk. No. X-1039.
All parts complete.
Ship. wt., 6 lbs..... **$24.50**

For a Better Buy in Farm Supplies—Better Buy From TRACTOR SUPPLY

Trasco TWIN Cylinder Hydraulic Loader

ROW CROP

LIFTS 2500 LBS. TO 14 FT.

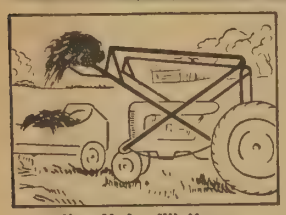


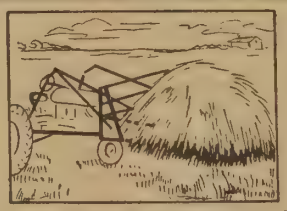
LIFTS—LOADS

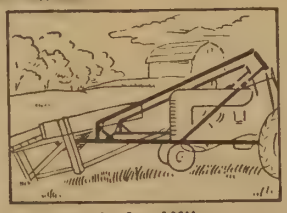
CUSTOM MADE TO FIT YOUR TRACTOR

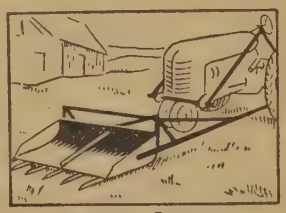
COMPACT, RUGGED, ALL STEEL CONSTRUCTION. Trasco Twin-Cylinder Hydraulic Loader is engineered to withstand strains much greater than encountered in ordinary use. It is made of high test steel, precision welded in all the vital points for extra strength and durability. Cylinders and main lifting members are made of 3" tubular steel, reinforced to eliminate damage. Modern streamlined design, custom made for your tractor, offers tremendous advantages over ordinary loaders. You are assured of full vision in all directions when operating, and a close fitted compactness that allows you to go any place that your tractor alone can go.

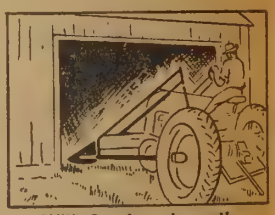
LIFTS 2500 LBS. UP TO 14 FT. You will find, like thousands of other farmers, that no other Loader has the lifting power and performance of the Trasco Twin-Cylinder Loader.
With thousands of Trasco Loaders in use all over the Country, you owe it to yourself to investigate the time-saving, labor-saving advantages of installing a loader today!


Use It to Fill Your Manure Spreader


Use It for Stacking or Loading Hay


Use it for Lifting, Loading, Moving


Attach or Remove with Just 6 Pins


Will Go Anywhere the Tractor Itself Fits

Labor-Saving ATTACHMENTS for Your Loader

The more attachments you own, the more work your tractor and Trasco Loader can do for you. Many of the attachments listed below more than pay for themselves in less than one year's time.

HAY HOIST BOOM

Telescoping boom lifts to 22 ft. and lifts 1500 lbs. Use for stacking hay, filling feed racks, handling bales, pulling posts and well casings, loading trucks and general derrick work. Fits all TRASCO loaders.
Ship. wt. 165 lbs.
$58.50
Stk. No. 50A23.....

HAY BUCK RAKE

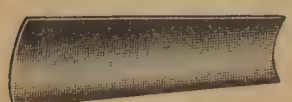
For bucking hay in the field, stacking, and loading. Rake is 9' wide, teeth 8' long.
$99.50
Stk. No. 50A22.
120 lbs. .....

PUSH-OFF STACKER

Lifts 17 to 19 Ft. High

Stock No. 50A25
$219.50
Shipped Freight Collect

BULLDOZER BLADE



For grading, leveling, terracing. Made of heavy steel. 80" wide, 16" high. Does so many tough farm jobs.
Stk. No. 50A21—Wt., 120 lbs.....
$43.50

HYD. LOADER FLUID

Specially developed petroleum base fluid for hydraulic loaders and power lifts. Withstands the extreme heats and pressure without foaming. One weight for year round use.
5 Gallon kerosene can with easy pour spout.
Stk. No. 50A30.
40 lbs. .....
$4.95

SNOW AND GRAIN BUCKET

For clearing deep snow, or loading loose grain. All steel construction, rounded design prevents packing. 80" wide, 24" high, 36" deep.
$99.50
Stk. No. 50A20.
200 lbs. .....

FITS YOUR TRASCO LOADER & Sargent, Horn, David Bradley

You can reduce haying time by 75% with a Push-Off Stacker! Designed to operate with your Trasco Loader.
Actual height of rake teeth tips vary with tractor make and model. Stacker is 10' wide, rake teeth are 9' long. Teeth are made of select fir with steel tips.
Trasco Stackers are Supplied Complete. Note: If your tractor does not have a 4-way pump, you will need conversion valve.
See **Hydraulic Equipment on Page 23**

All Loaders And Attachments Are Shipped FREIGHT COLLECT

Trasco TWIN Cylinder Hydraulic Loader

MOVES—DUMPS

SIMPLIFIED DESIGN—EASY TO INSTALL

2 CONTROLS, BOTH WITHIN EASY REACH

Precision engineering has simplified the design to eliminate the usual cables and rigging that make other loaders so complicated to install, adjust, and operate. Note the mounting brackets, placed to put the load on the rear wheels where it belongs instead of straining the front end or frame like other loaders do. There are only 2 controls for operating lift arms. This permits the use of two hydraulic attachments on the same tractor—another time-saving feature. Your Trasco Loader will require little maintenance. If accident or abuse should necessitate repairs,

WE KEEP FULL PARTS STOCKS

TRASCO LOADERS ARE GUARANTEED

Each Trasco Loader is GUARANTEED to be correctly designed to perform the tasks claimed, to be made of materials free from defects, and to stand up under operations recommended for it. Any defective part will be replaced without charge when returned to us. Accident or abuse damage is the responsibility of the owner.

Trasco TWIN CYLINDER HYDRAULIC LOADER for FORD

- LIFTS
- LOADS
- MOVES
- DUMPS

Using Hydraulic Power

Complete with hydraulic arms and pistons, manure bucket with removable dirt plate, all necessary arms and brackets to fit, and hydraulic hoses.

STK. NO. 50A19 **$249.50**

Shipped Freight Collect

Simplified design makes for easier installation and operation. There are no chains, cables, or other complicated riggings to get out of order. Your Trasco Loader will require little maintenance—should accident necessitate repairs, we maintain full parts stocks.

COMPLETE ATTACHMENTS are Available for the Trasco Ford Loader, similar to the groups described on these pages.

ARCHED TYPE LOADER FRAMES

Fits the following tractors. Loader frame is curved to fit over the front wheels, similar to the Ford Model above.

ALLIS CHALMERS B. C.
CASE VAI
DEERE M

Complete less pump **$259.50**
Complete with pump **$334.50**

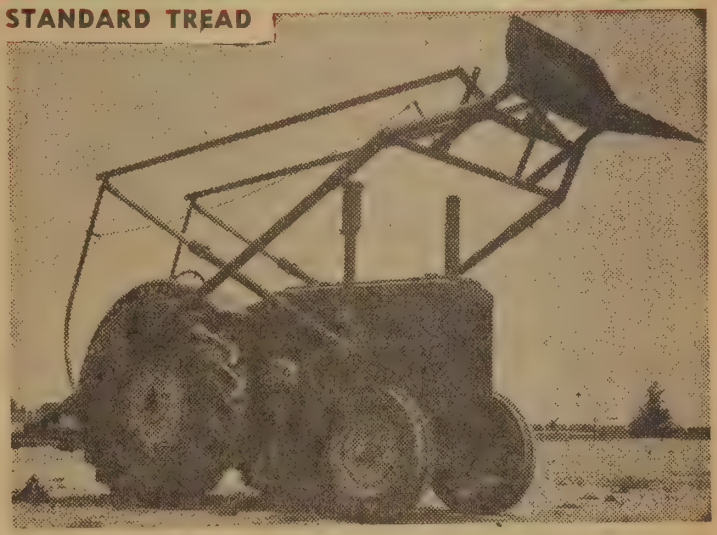
OLIVER HG 42, 68.

$279.50 less pump
$354.50 with pump

FREE! FREE! FREE! FREE!

5 Gallon Can of Hydraulic Loader Fluid FREE With Each Trasco Loader. Order Your Loader Today!

STANDARD TREAD



Trasco LOADERS

Fit the Following Tractors

Each Loader is shipped complete with hydraulic arms and pistons, radius arms, main lifting arms, manure bucket with removable dirt plate, all necessary arms, brackets, and hoses. If you have a hydraulic pump on your tractor, with capacity large enough to operate a loader, you DO NOT need an additional pump. Order your loader without pump, and use the pump you have. Loaders can be supplied complete with high out-put, 4-way pump for tractors not equipped.

ROW CROP TRACTORS (See Illustration Page 24)

For ROW CROP Tractors With Built-In Pumps

IHC Farmall H & M with Row Crop Front Wheels
DEERE A & B with Row Crop Front Wheels
DEERE G & GM with Power-Trol, Row Crop Front Wheels

Complete less pump **$264.50**

For ROW CROP Tractors WITH or WITHOUT Pump

IHC Farmall Reg. F-20, F-30, C
ALLIS CHALMERS, WC 1937-47, WD 1948 & UP
DEERE A, B, G & GM (Specify P.T.O. Shaft Size)
CASE CC, DC, SC, VAC
MASSEY-HARRIS 101 Jr., 101 Sr., 30, 44, 44-6
MINN. MOLINE UTU, RTU, ZTU, ZA.
OLIVER "70" 1938 & Up (Specify Year) 60, 77, 88
COCKSHUTT 30, Coop. E-3, Farmcrest 30.

Complete less pump **$264.50**
Complete with pump **$339.50**

STANDARD TREAD TRACTORS (Illustrated Above)

On these tractors the wheels have a set tread, neither the front nor rear wheels are adjustable. Loader frame goes completely around the tractor as pictured above.
IHC W-6, W-9, T6 and TD6 with 14" track and 40" tread only
DEER "D" 1938 & up, BR.
CASE LA up to and including 1948 (Not Model L)
MASSEY HARRIS 30
MINN. MOLINE UTS
OLIVER 70, 77, 88

Complete less pump **$335.00**
Complete with pump **$410.00**

WIDE FRONT END or CONVERSION TYPE TRACTORS

On these tractors the two wide wheels in front are not adjustable, but the rear wheels may be moved in or out as on Row Crop Models. Loader frame mounts on rear axle and arches up over front wheels like Ford Model pictured.
IHC H&M with wide front wheels
CASE DC with wide front wheels

Complete less pump **$335.00**

COCKSHUTT 30, Coop, E-3, Farmcrest 30 W.F.
OLIVER 70, 88 with wide front wheels

Complete with pump **$410.00**

All Loaders Shipped Freight Collect. Popular Models Carried in Stock.
Other Models Shipped From Factory in Iowa

Loaders Installed FREE At Any TRACTOR SUPPLY Farm Store

SAVINGS IN TOOLS FOR THE FARM

BOX END WRENCHES

IN YOUR CHOICE OF: SIZES	LENGTH	WT. LBS.	CARBON STEEL STK. NO.	CARBON STEEL EACH	CHROME ALLOY STK. NO.	CHROME ALLOY EACH
3/8"x7/16"	7 5/8"	1/4	1E-40	39c	1E-60	59c
1/2"x9/16"	8 5/8"	3/8	1E-41	45c	1E-61	67c
5/8"x11/16"	9 3/4"	1/2	1E-42	49c	1E-62	75c
3/4"x13/16"	11 1/8"	5/8	1E-43	55c	1E-63	89c
7/8"x1 1/8"	12 1/4"	3/4	1E-44	59c	1E-64	$1.09
1"x1"	14 1/4"	1	1E-45	73c	1E-65	$1.35
1 1/8"x1 1/4"	18 1/4"	2			1E-67	$1.95
1 1/4"x1 3/8"	20 1/2"	3			1E-68	$2.65
1 1/8"x1 1/2"	22 1/2"	3 1/2"			1E-69	$2.95

CARBON STEEL WRENCHES

SET OF 6—Complete set of carbon steel wrenches as listed above. This is your chance to get a complete set in the most used sizes—at a Sale Price. Each set in handy metal clip holder.

Stk. No. 1E-51—3¼ lbs. Set **$2.69**

CHROME ALLOY WRENCHES

SET OF 6 most used wrenches in above listing. Sizes from 3/8" to 1". Made of selected drop forged chrome alloy steel that is stronger, lighter and easier to use in close quarters. Handy oval non-slip handles, highly plated and polished.

Stk. No. 1E-71—3 lbs. Set **$4.35**

ADJUSTABLE WRENCHES

Made of forged steel with hardened jaws. Easy to adjust screw.

Open	Lgth.	Wt. Lbs.	Stk. No.	Ea.
3/4"	6"	1/2	3E81	$1.05
1"	8"	3/4	3E82	$1.29
1 1/4"	10"	1	3E83	$1.59
1 1/8"	12"	2	3E84	$2.35

PIPE WRENCHES

Made of malleable steel with hardened jaws. Positive grip teeth. Tempered spring.

Open	Lgth.	Wt. Lbs.	Stk. No.	Ea.
1"	10"	1 1/2	3E86	$1.65
1 1/2"	14"	3 1/2	3E87	$2.15
2"	18"	4 1/2	3E88	$2.95

WATER PUMP PLIERS — Thin jaws with milled teeth. Opens to 1 5/8". Length 9½". Made of polished forged chrome steel.
Stk. No. 3E20—1 lb. Each..... **$1.29**

COMBINATION PLIERS—Each with knurled handles, sharp milled teeth and positive grip. Slip joint adjustment, and wire cutters.
3E21—6" long, 1" capacity, natural finish. 3/4 lb.....Ea. 29c
3E22—6" long, 1" capacity, dull finish, 3/4 lb.....Each 35c
3E24—8" long, 1¾" capacity, dull finish. 1½ lbs.....Each 49c

Lineman Side Cutting Pliers Made of drop forged tool steel with cadmium finish. 8" long. Sharp side cutteers.
Stk. No. 3E96—1½ lbs. Each..... **$1.98**

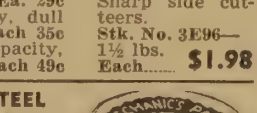
ALLEN WRENCH SET

Don't chew up set screws fitted for Allen wrenches—use the correct size wrench. 7 wrenches in set. Sizes from 5/64" to ¼", hex diam. Set in clear plastic case.

Stk. No. 3E52—Wt. ½ lb. Set **49c**

6' STEEL TAPE

3/8" Wide



Polished steel case.
Stk. No. 19A65—Wt. 3 oz. Ea. **49c**

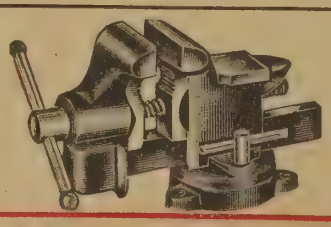
TAP and DIE SETS

24-Pc. Set. (Illustrated at Left). This set is of the size and quality to best meet farm needs. Made of high carbon tool steel, heat treated for hardest use. Set contains 11 hex head Dies, 11 Taps in sizes ¼-20, 5/16-18, 3/8-16, 7/16-14, ½-13 in BOTH National Coarse (USS) and National Fine (SAE) threads and 1/8"-27 Pipe thread. Also 10½" Die Holder and T handle tap wrench with hardened church jaw complete with cross bar. Set complete in fitted heavy wood box. 14½"x7½" size.
Stk. No. 3E33—Wt. 6 lbs.....Each **$15.95**

12-PC. SET (Not Illustrated)
Contains most popular sizes. Made of same quality high carbon steel as above set. Set contains 5 Dies and 5 Taps in sizes, ¼-20, 5/16-18, 3/8-16, 7/16-14, ½-13 all National Coarse Thread (USS). Complete with tool holders and packed in fitted heavy wood box.
Stk. No. 3E29—Wt. 3 lbs.....Each **$5.69**

HEAVY DUTY VISES

Full 360° swivel, locks on quadrant. Removable jaws, knurled faces, hardened steel. Semi-steel cast body, cold rolled beam. Deep cut screw for positive advance.



25A40—3½" jaw, opens to 4¼". 17½ lbs.....Each **$5.85**
25A41—4½" jaw, opens to 5¼". Wt. 38 lbs. Each **$10.95**

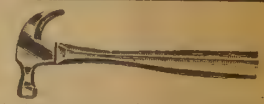
OPEN END WRENCHES

High quality, engineer's type open end wrenches with preferred 15 angle heads. Double plated chrome finish, highly polished heads.

OPENINGS	LENGTH	STK. NO.	OZ.	EACH
3/8"x1 1/2"	4"	1E80	4	29c
3/8"x7/16"	4½"	1E81	5	35c
1/2"x5/8"	5½"	1E82	6	39c
3/4"x5/8"	6½"	1E83	8	45c
7/8"x3/4"	7½"	1E84	9	49c
1"x7/8"	8½"	1E85	10	59c
1 1/8"x1"	9½"	1E86	12	69c

7-Pc. Set of Above Wrenches. There is extra savings in buying a complete set. Set complete with one each of above and handy metal clip holder.
Stk. No. 1E89—Wt. 3½ lbs.....Set of 7 **$2.95**

CARPENTER'S NAIL HAMMERS



Deluxe quality with drop forged steel head, heat treated and hardened. Octagon face and neck highly polished. Form-fit handle made of clear white hickory. **Stk. No. 3E35**—Wt. 1½ lbs.....Each **$1.89**
Economy Quality—Same as above but with bell face, black neck.
Stk. No. 3E34—Wt. 1½ lbs.....Each **$1.59**

STEEL CAP SCREWDRIVERS

Low as 23c

These screwdrivers are made especially for farm use. Extra strong and durable for heavy duty work. Steel shank runs through handle with steel cap for pounding. Wood handle.
St. No. 3E41—Length, 7"; Blade, 1/4"x4".....Each 23c
Stk. No. 3E42—Length 10"; Blade 5/16"x6".....Each 29c
Stk. No. 3E43—Length, 14"; Blade, 3/8"x8".....Each 39c
Stk. No. 3E44—Length, 16"; Blade 3/8"x10".....Each 49c

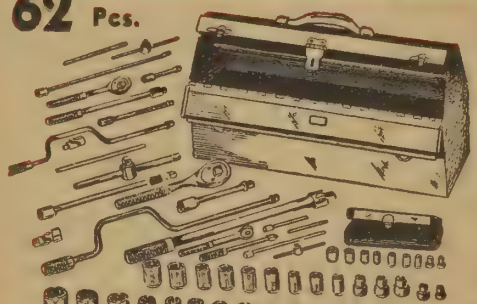
4-PC. SET OF ABOVE SCREWDRIVERS
For added savings buy a complete set—1 each of above screwdrivers.
Stk. No. 3E45—Wt. 3 lbs.....Set of 4 **$1.29**

LOCK-GRIP WRENCH

Here is the NEW tool of a million uses. Lever action locks the jaws with pressure of 1 ton. Jaws open to 1¾". Adjustable to smaller sizes. Made of tough alloy steel with cadminum finish. Rustproof. 10" long.
Stk. No. 3E100—Wt. 2 lbs.....**Each $1.45**

SOCKET SETS

62 Pcs.



A Socket Set including a complete size range of sockets will save you so much time and trouble that it will more than repay the original investment. The Sets listed below MEET FARM NEEDS

13-PC. SET of all chrome alloy steel. ½" square drive on 11½" swing head handle. Cross bar and extension. 10 sockets 7/16" to 1". Each set in heavy steel hinged box. Wt. 7 lbs.
Stk. No. 1E10.
Set..... **$7.95**

20-PC. SET with reversible ratchet. 11½" swing head handle with lever bar. Speeder handle, extension and small parts. Twelve 12-point sockets 7/16" to 1" size. In steel box.
Stk. No. 1E11—Ship. wt., 12 lbs.....Set **$15.95**

36-PC. SET with thumb action reversible ratchet. 11½" swing head handle and lever bar. Speeder handle, extension adaptors, sliding "T" handle and necessary small parts. Plus a complete range of 12-point sockets 7/16" to 1 1/16" size. Also handy midget socket set. Complete set in fitted steel box.
Stk. No. 1E12—Ship. wt., 20 lbs.....Set **$24.95**

62-PC. PROFESSIONAL SET (as illustrated). (A) ¼" square drive ratchet, extension, flex handle, sliding bar, six 6-point sockets ¼" to 7/16", three 8-point sockets ¼" to 3/8" in separate metal case. (B) 3/8" square drive reversible ratchet, 3 extensions, flex handle, pin handle, speeder, sliding bar universal joint, three 8-point sockets 3/8" to ½", seven 12-point sockets 3/8" to ¾". (C) ½" square drive ratchets, extension, flex handle, pin handle, speeder, sliding bar, fourteen 12-point sockets 7/16" to 1 1/16". In 19x7x9 in. steel box.
Stk. No. 1E14—Ship. wt., 30 lbs.....Set **$39.95**

Regardless of Size, All Mail Orders Are Shipped Within Six Hours

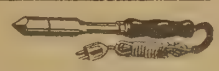
SAVINGS IN TOOLS FOR THE FARM

BLOW TORCH

2 sizes to meet your needs. Both designed for trouble-free operation. Tanks are made of heavy gauge, seamless brass, with funnel-shaped bottom for easy filling. To be used with gasoline fuel only. **QUART SIZE:** Heavy duty type. Taper design needle valve. Lock-tite, leakproof pump.
Stk. No. 19A93.
4½ lbs. .....Each **$5.95**

PINT SIZE: Low priced but will give you real service and performance. With flame control, shut-off valve and self-cleaning orifice. Non-clogging burner. Size: 7½" high, 3" diam.
Stk. No. 19A92—1½ lbs.....Each **$2.35**

SOLDERING IRONS

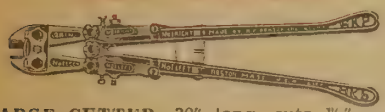


100W and 150W, 110 AC electric soldering irons. Underwriters Approved. Nichrome wire elements, copper tips, wood handles, 6 ft. cords with spring guards.
100 WATT SIZE—19A94.
1½ lbs. .....Each **$1.65**
150 WATT SIZE—19A95—2 lbs.....Ea. **$3.45**

SOLDER & PASTE

1 Lb. Core Solder—Acid core, 20-80 solder.
19A96—1 lb. spool.....**Spool 89c**
5 Lb. Core Solder—Acid core, 20-80 solder.
19A97—5 lb. spool.....**Spool $3.95**
½ Lb. Bar Solder—Coreless, 40-60 solder.
19A98—½ lb. bar.....**Bar 47c**
Solder Paste—Binds solder and metal.
19A99—⅛ lb. can.....**Can 10c**

BOLT CUTTERS



LARGE CUTTER—30" long, cuts ½" bolts. **Stk. No. 25A18.** 10 lbs..... **$8.95**
EXTRA JAWS ONLY for above. **Stk. No. 3E-18.** 4 lbs.....$5.45

3 WAY BOLT CUTTER

30" long, cuts from side or end. With nut-splitter jaw slots. Heavy duty type. Same heavy duty construction as cutters described above, but with special jaws as shown. Splits nut for easy removal, cuts from side or end.
Stk. No. 25A16—11 lbs.....Each **$11.95**

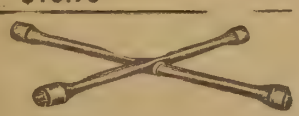
2 JAW PULLER

18 width and length adjustments, jaws reversible for internal or external pull. Takes big gears, bearings, etc. Jaws open full 8" width, reach 6".
Stk. No. 3E15. 8 lbs. Each..... **$4.65**

3 JAW PULLER

3 jaw construction cradles the gear being pulled and prevents slipping. Pulls gears up to 10" diameter.
Stk. No. 3E16. 12 lbs. Each..... **$10.95**

4-WAY SPEED WRENCH



Long handles for leverage and fender clearance. ⅝", ¾", ⅞", 1⅛" openings.
Stk. No. 3E11—13" Natural Finish.
Ship. wt. 3 lbs.....Each **89c**
Stk. No. 3E-12—16" Nickle Finish.
Ship. wt. 3 lbs.....Each **98c**

EXTENSION LIGHT

25 ft. heavy duty cord, rubber covered with unbreakable handle. Switch guard and reflector.
3 lbs
Stk. No. 19A91..$1.98

MOTOR GRINDERS

¼ H.P.
For 100 Volt, 60 Cycle A.C. Current, Induction type 2 pole motor, 600 watt input. Self-aligning oil impregnated bearings. Aluminum housing, fully adjustable tool rests. Vibration free—mounted on rubber. 6 amp. switch on top of blue crackle finish housing. Two ¾x6 in. wheels included.
Stk. No. 3E40—25 lbs.
Grinder complete with wheels. **Each** **$29.95**
1/15 H.P. GRINDER for light duty work. 110 volt AC only. Develops 3,400 rpm.
Stk. No. 3E50—
7½ lbs. .....Each **$14.95**

SICKLE GRINDERS

Deluxe type for drive from either flat or V belt. Anti-friction bearings, pressure lubricated. With 5½" cone sickle, 6"x 1¼" vitrified grinding wheel. ¾"x14" steel shaft, threaded for ⅝" bore. Complete with sickle holder for sharpening mowers, combines.
Stk. No. X-150—42 lbs.....Each **$14.50**
HEAVY DUTY FARM SICKLE GRINDER For repair shop or large farm shop. Takes a full ½ H.P. motor. Mirror finish babbit bearings, pressure lubricated. Large wheels, sickle cone 7"x3½"; tool wheel 8"x1¼". ⅞" shaft turned to take ¾" bore wheels.
Stk. No. X-151—57 lbs.....Each **$22.95**

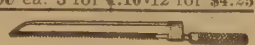
Pistol Grip Hacksaw WITH 10" BLADE

Adjustable 8" to 12" Face blade 4 ways. Welded steel frame.
Stk. No. 19A53.
2 lbs. .....Each **98c**

HACKSAW BLADES

Carbon Steel—Filed and Set
10". **Stk. No. 19A54** 9c ea. 3 for 23c 12 for 75c
12". **Stk. No. 19A55** 10c ea. 3 for 27c 12 for 89c
Technite Steel—High Speed. Tough Work
10" **Stk. No. 19A56** 31c ea. 3 for 85c 12 for $3.25
12" **Stk. No. 19A57** 39c ea. 3 for $1.10 12 for $4.25

PIPE SAW



Low frame model with screw type handle. Takes 10" blade. Complete with blade.
Stk. No. 19A52—1½ lbs.....Ea. **98c**

PUNCH & CHISEL SET

Made of ½" alloy steel, sharpened and hardened, with bright plated polished finish. Set contains: ½" and ⅝" square carbon steel chisels, ⅛" and ⅜" solid punches, and ⅛" center punch. Each in heavy metal clip case.
Stk. No. 3E76—
2 lbs. .....Set **$1.55**

COLD CHISELS

Low priced chisels for cutting rivet heads, mild steel, etc.
½"x6" **Stk. No. 3E-72.** 6 oz. Each.....19c
¾"x7" **Stk. No. 3E-73.** 9 oz. Each.....29c
1" x8" **Stk. No. 3E-74.** 1 lb. Each.....35c
One each, above sizes. 3E75, Set.....75c

WORK GLOVES

65c Pair
2 Pr. **$1.15**

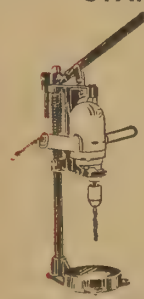
Heavy knit, like a Terry-cloth towel. Water repellent, treated with Johnson's Drax. Protect your hands. Large Size, **Stk. No. 19A39.** 4 oz.

½" ELECTRIC DRILLS

Designed specially for farm use. Handles round shank drill up to ½" diameter. Drills quickly in wood, iron, steel and similar materials.

Universal type motor with triple reduction gear, self aligning porous bronze bearings throughout. Overall length 13". Each complete with genuine Jacobs chuck as used on heavy duty type drill presses. Gear key tightens securely, centers bit and locks it in correct position for accurately drilling. 7 ft. cord included.
Stk. No. 3E48—Drill complete with chuck and cord, 12 lbs.....Each **$34.95**

STAND for ½ In. Drill



You can gain an extra 50% efficiency for hand held work by converting the above ½" drill into a precision bench model drill press. Drill easily removed for "take to job" work. Cast bracket line bored to hold drill perpendicular. Two thumb nuts for height adjustment. 4-1 ratio lever feed makes operation easy for sensitive and accurate work. Heavy casting with machined surface serves as base and table.
Stk. No. 3E49—Stand only, 23 lbs. Each **$12.95**

¼ In. DRILL

(not illustrated)
Lightweight pistol grip electric drill with 110 Volt AC-DC high torque motor; double reduction gears, self-aligning oil impregnated bronze bearings. Each with long life thumb switch and 6 ft. cord. Snap release chuck takes drills up to ¼" size.
Stk. No. 3E46—Ship. wt. 3½ lbs. Each **$11.80**

HIGH SPEED DRILLS

Tempered carbon tool steel for fast cutting of metals with electric drills. Round shank type, sharpened and set, ready for long service without resharpening.

Stk. No.	Size (In.)	Ea.	Stk. No.	Size (In.)	Ea.
21A50	1/16x2½	22c	21A60	3/32x3¾	43c
21A51	5/64x2⅝	24c	21A61	1/16x3⅞	46c
21A52	3/32x2¾	25c	21A62	¼x4	49c
21A53	7/64x2⅞	26c	21A63	9/32x4¼	61c
21A54	⅛x3	27c	21A64	5/16x4½	72c
21A55	9/64x3⅛	29c	21A65	11/32x4¾	89c
21A56	5/32x3¼	31c	21A66	⅜x5	98c
21A57	11/64x3⅜	33c	21A67	13/32x5¼	1.19
21A58	7/32x3½	36c	21A68	7/16x5½	1.39
21A59	15/64x3⅝	39c	21A69	15/32x5¾	1.55
			21A70	½x6	1.75

DRILL SETS

For added savings, buy your drills in sets. Same high quality as above, in selected farm sizes.
5 Pc. Set—⅛, 5/32, ¼, 5/16, ⅜.
21A75 .....Set **$2.59**
11 Pc. Set—Sizes: 1/16 to ⅜ in. by 32nds.
21A76 .....Set **$4.98**
21 Pc. Set—Full range of sizes as listed in above table. **21A77**.....Set **$11.95**

ALL METAL TOOL BOX

When tools are kept in a box you **KNOW** where they are. At this money saving price there is no better time than now to provide that chest you have always wanted. 21"x8"x7", welded steel, full length hinges, tote tray, may be padlocked. **Stock No. 25A10.** Baked green enamel, carrying handles. Ship. wt. 15 lbs. Each **$3.95**

You Will Always SAVE When You BUY From TRACTOR SUPPLY

LOWER PRICES ON FARM NEEDS

Farm Workshop TRAY ASSORTMENTS

Bolts—Nuts—Washers
Screws—Cotter Pins

INDIVIDUAL TRAYS WITH SIZES SEPARATED

Here is the solution to the problem of finding the right size nut, bolt, screw, etc., when you are in a hurry! Trays listed at right show the various individual items offered. You can buy the whole assortment of 9 trays with heavy steel cabinet, or in individual trays to meet your needs.

COMPLETE CABINET

You will realize additional savings by buying the complete cabinet with 9 trays as listed at right.

Stk. No. 2E-15— Wt. 35 lbs. **$18.95**

INDIVIDUAL TRAY ASSORTMENTS

ROUND HEAD STOVE BOLTS—Assortment of 183 bolts with nuts. Sizes 5/16"x2" to 1/4"x2". **Stk. No. 2E-1**—Wt. 3½ lbs. **$1.95**

FLAT HEAD STOVE BOLTS—Assortment of 183 stove bolts with nuts. Sizes 5/16"x2" to 1/4"x2". **Stk. No. 2E-2**—Wt. 3½ lbs. **$1.95**

FLAT STEEL WASHERS—Assortment of 255 U.S.S. wrought washers. Sizes 5/16" to 5/8". **Stk. No. 2E-5**—Wt. 3½ lbs. **$1.59**

SPLIT LOCK WASHERS—Assortment of 450 lock washers. Sizes 5/16" to 5/8". **Stk. No. 2E-6**—Wt. 2½ lbs. **$1.65**

COTTER PINS—Assortment of about 700 pieces, many large sizes. Sizes 1/16"x1" to 1/8"x2". **Stk. No. 2E-7**—Wt. 2½ lbs. **$1.45**

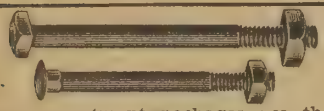
HEX HEAD CAP SCREWS—Assortment of 82, USS thread. Sizes 1/4"x3/4" to 1/2"x1½". **Stk. No. 2E-8**—Wt. 3½ lbs. **$2.35**

WOOD SCREWS—Assortment of 200 pieces. Sizes 6"x1" to 12"x3". **Stk. No. 2E-9**—Wt. 2½ lbs. **$1.89**

S.A.E. HEX NUTS—Assortment of 160 nuts, SAE thread sizes 1/4"-28 to 5/8"-18. **Stk. No. 2E-3**—Wt. 3 lbs. **$2.35**

U.S.S. HEX NUTS—Assortment of 160 nuts. USS coarse thread. Sizes 1/4"-20 to 5/8" to 12. **Stk. No. 2E-4**—Wt. 3 lbs. **$2.35**

STEEL CABINET ONLY—9½" wide, 14" high with carrying handle on top. 10 compartments 1¼"x9" to hold above trays. **Stk. No. 2E-13**—Wt. 10 lbs. **$3.25**



Bolt Assortments CARRIAGE-MACHINE

These assortment packages are the result of a comprehensive study to determine the most practical and economical way to supply Carriage and Machine Bolts to meet ALL Farm Needs. Each assortment package contains the RIGHT PROPORTIONS of the most used sizes. Bolts are high quality cut thread type. Square nuts loose in each package.

35-PC. ASSORTMENT—Carriage Bolts

Assortment contains 35 Carriage bolts with proportioned sizes ranging from 1/4"x1½" to 3/8"x5".
Stk. No. 2E-24—Ship. wt. 2¾ lbs. ..... **Per Asst. 85c**

35-PC. ASSORTMENT—Machine Bolts

Assortment contains 35 Machine bolts with proportioned sizes ranging from 1/4"x1½" to 3/8"x5".
Stk. No. 2E-22—Ship. wt. 2¾ lbs. ..... **Per Asst. 85c**

BUY 1 EACH OF ABOVE ASSORTMENTS FOR EXTRA SAVINGS!
You receive 1 each of the above assortments.
Stk. No. 2E-25—Ship. wt. 5½ lbs. **$1.59**

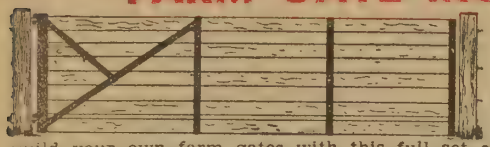
95-PC. ASSORTMENT—Larger Carriage and Machine Bolts

Assortment contains 55 Machine bolts with proportioned sizes ranging from 1/4"x1½" to ½"x6", and 40 Carriage bolts with proportioned sizes ranging from 1/4"x2" to ½"x3". **Many large sizes.**
Stk. No. 2E-20—Ship. wt 10 lbs. ..... **Per Asst. $2.59**

70-PC. ASSORTMENT—Extra Large Machine Bolts

Assortment contains 70 machine bolts in quantities and sizes as follows: 20-pcs. of 3/8"x2" to 3/8"x5"; 46-pcs. of ½"x2" to ½"x5½" and four ½"x4" lag screws.
Stk. No. 2E23—Wt. 16 lbs. ..... **Per Asst. $3.59**

FARM GATE IRONS



COMPLETE SET TO BUILD YOUR OWN GATE

Build your own farm gates with this full set of irons. The complete package contains the end pieces, center braces, and angle supports, with pivot pins, to build a 12, 14, or 16 foot farm gate that will last a lifetime.
The end irons are U shaped and hold the boards in a vise-like grip; the diagonal irons exert a constant upward pull on all five crossboards. The complete set of irons, painted, bundled, and complete with bolts, weighs about 40 pounds. You need to add only the boards to have a gate that will be the envy of your neighbors.
Stk. No. 49A90. Ship. wt. 40 lbs. **$7.95**

WATER BAGS

Special Flax Canvas material that permits constant cooling by evaporation. Ready for use without pre-soaking, and will provide a steady source of cool pure drinking water. Complete with carrying strap, cork stopper for wide mouth, handle, and mouthpiece.

Stk. No. 19A40
Ship. wt., 1 lb. **$1.50**

For Savings in Farm Tools See Pages 26, 27

CLASSIFIED ASSORTMENTS

59c
500 Cotter Keys

Each size in its own compartment, here are the items you need badly when you need them. Packed in waxed paper, screw top cartons, easily stored, always available. **Sizes and items printed on paper cover for easy reference.**

COTTER KEYS. About 500 pieces in 1/16", 5/64" and 1/8" diameters, lengths from ½" to 1½". **Stk. No. 19A24.** **59c**

FLAT STEEL WASHERS. About 200 steel washers, ranging from 5/16" to ½" hole sizes. **Stk. No. 19A26** **75c**

LOCK WASHERS—About 200 steel lock washers, ranging from 1/4" to 5/8" hole sizes. **Stk. No. 19A22** **79c**

STOVE BOLTS—About 100 stove bolts with square nuts, 5/16" and 1/4" diameters, up to 1¼" long. **Stk. No. 19A21** **89c**

CAP SCREWS—About 27 cap screws, diameters 1/4" to ½" in lengths from 1" to 2". **Stk. No. 19A23** **89c**

S.A.E. HEX NUTS—About 100 steel nuts, SAE thread, diameter 1/4", 5/16", 3/8", 7/16", and ½". **Stk. No. 19A25** **98c**

CASTELLATED NUTS—About 50 SAE thread Castellated Nuts, diameters 1/4", 5/16", 3/8", 7/16", and ½". **Stk. No. 19A20** **98c**

U.S.S. HEX NUTS—About 100 steel Hex nuts with U.S. Standard thread, diameters 1/4" to ½". **Stk. No. 19A19** **98c**

MACHINERY BUSHINGS

Solid steel machinery bushings in assortments specially developed for average farm needs. Each bushing is correctly proportioned with size and thickness stamped on it, eliminating guesswork and measuring.

21-Pc. Asst. Sizes from ½" to 1¾ "hole diameters.
Stk. No. 2E-90—Ship. Wt. 1½ lbs. ..... **Asst. 55c**

56-Pc. Asst. Sizes from ½" to 1¾" hole diameters.
Stk. No. 2E-91—Ship. Wt. 3¼ lbs. ..... **Asst. $1.19**

130-Pc. Asst.. Sizes from 5/8" to 2⅛" hole diameters.
Stk. No. 2E-92—Ship. wt. 6 lbs. ..... **Asst. $3.39**

SPLIT WASHERS

Fits onto any shaft without dis-assembling the machinery. Heat treated steel—rust resistant. Saves hours of time. Tap ends close and job is completed. Each washer has size and thickness stamped on it.

9-Pc. Asst. 1 ea. of hole diam. ¾", ⅞", 1¼", 1⅜", 1½", 2 ea. of hole diam. 1", 1⅛".
Stk. No. 2E-95—Ship. wt. 1 lb. ..... **Asst. 98c**

25-Pc. Deluxe Asst. Size range from ¾" to 2" hole diam.
Stk. No. 2E-96—Ship. Wt. 3 lbs. ..... **Asst. $2.89**

QUICK REPAIR WASHERS

Fits on shaft without dis-assembling to take up end play. Light tap locks it permanently in place.

Outer Diam.	Inner Diam.	Thickness	Stk. No.	Oz. Each	PRICE EACH
1¾"	¾"	1/8"	18A89	1½	15c
1⅞"	⅞"	1/8"	18A90	1½	15c
2	1"	1/8"	18A91	2	20c
2¼"	1¼"	1/8"	18A92	3	22c
2½"	1½"	1/8"	18A93	4	24c
2¾"	1¾"	1/8"	18A94	5	26c
3¼"	2"	1/8"	18A95	6	30c

10-PC. ASST.

10 washers from table at left in assortment, priced far less than individual pieces. Sizes from ¾" to 2" Inner Diam.

Stk. No. 18A88
Wt. 1½ lbs. ..... **Asst. $1.69**

You Can Be Sure of Extra Fast Service When You Telephone or Telegraph

FLOODLIGHTS for YOUR TRACTOR

Complete Sets $32.95

INSURE SAFE NIGHT OPERATION AT LOW COST

ORDER BY NO., MAKE AND MODEL

Stock No.	Make & Model	Years Fit
TL-701	Farmall Regular	1926-31
TL-702	Farmall F-20	1932-37
TL-704	Farmall F-20 With V Fan Belt	1938-39
TL-703	Farmall F-30	1931-39
TL-736	Farmall F-12	1934-38
TL-734	Farmall "H"	1940-46
TL-735	Farmall "M"	1940-46
TL-737	IHC 10-20, W-30	1924-39
TL-721	John Deere A, B, G	1929-44
TL-722	Deere "D"	1926-36
TL-724	Deere "H"	All
TL-745	Allis-Chalmers WC	All
TL-746	Allis-Chalmers "B"	1937-42
TL-747	Case "L"	1934-38

These custom designed light sets contain all necessary parts to equip your tractor with lights. Brackets have been specially designed to fit on the models listed. Installation is easy, and complete illustrated instructions are included with each set.

Lights are swivel type for easy adjustment. Generator is high output type equipped with cut-out and ammeter. All pulleys, brackets, belt and terminals are included in set.

Complete kit contains 100 watt, 6 volt generator, mounting brackets, 2 late type floodlights, pulley, belt, ammeter, switch cutout, battery terminals, and wiring. For use with any 6 volt storage battery. (Battery not included).

LIGHTS BURN WITH EQUAL BRILLIANCE WHETHER MOTOR IS RUNNING OR NOT.

KITS COMPLETE LESS BATTERY

SEALED BEAM FLOODLIGHTS

GENUINE MAZDA 6 VOLT, FLOOD LENS

Sealed Beam type with lens, reflector, and filament made in one hermetically sealed unit. Lamp assemblies are heavy steel stampings with baked enamel finish. Brackets of heavy steel casting with two hole mountings. Lamps on swivel base permitting turning and tilting to desired angle.

Stk. No. TL-750. Specify how many lights you want. Complete with adjustable mounting brackets, short lead wire, switch.

ONE LIGHT, complete with switch, 5 lbs..... Each **$3.95**
TWO LIGHTS, complete, 1 switch, 9 lbs.....Set $7.65
THREE LIGHTS, complete, 1 switch, 14 lbs.....Set $11.25

MAZDA SEALED BEAM UNIT FOR ABOVE LIGHTS.

Stk. No. TL-751—HEADLIGHT TYPE BEAM. Each **$1.29**
Stk. No. TL-752—DIFFUSED FLOODLIGHTS....Each $1.29

FULL-VIEW TRACTOR LIGHT

Be sure and sure when operating your tractor and implements at night! Install specially designed full view tractor and implement lights and you will have daylight for night-time operation. Special reflector throws a brilliant flood of light in all directions, covering a full 40 ft. circle. Universal adjustable mounting bracket attaches light on any convenient surface.

FULL-VIEW LIGHT has 8 in. guaranteed unbreakable plastic lens, 50 CP bulb, brackets, lead wire and switch.
Stk. No. TL-753—Ship wt. 2 lbs.....Each **$5.75**

TRACTOR SPOTLIGHT BRACKET

Give your present fixed lights the benefit of full 230° rotation up and down and in a complete circle. Brackets are included for mounting on any type of surface. Can be installed in 15 minutes. **Lamp not included.**

Stk. No. TL-757—4 lbs..... Each **$3.85**
BUY A PAIR AND SAVE..... Pair $7.25

FAN & GENERATOR V-BELT DRIVE

Cylinder head mounting, does not interfere with other mounted implements. Kit for REG. and F-20 includes double groove V-belt pulley, V-belt lower pulley, generator mounting bracket. Kit for late F-20 without V-belt lower pulley.

Stk. No. H351—REG. & F-20—12½ lbs. **$11.75**
Stk. No. H350—LATE F-20, 8½ lbs. Kit $7.95

BATTERY CARRIER

All steel, open type construction prevents battery from over-heating and corroding as with box types. Fits standard batteries. Size 7¼" x9¼". Each with adjustable height.

Stk. No. TL-999
4 lbs.
Each **$2.19**

HYDRAULIC SEAT

Seat Tilts and folds out of operator's way when not in use.

FOR A NON-SLANT, NON-JOLT, "JOY" RIDE

Make & Model	Type	Make & Model	Type
Farmall, H,M, 1939-46	1	John Deere A,B, 1934-37	11
Farmall, H,M, 1947 & up	0	John Deere D,	10
Farmall, A,B,	8	*J. I. Case L, LA	18
Farmall Reg.	4	*J. I. Case SC, DC	13
Farmall F-20, F-30	2	J. I. Case VAC	16
Farmall F-12	5	*Ford, 8N, Ferguson	
Farmall F-14	6	Ford Ferguson	14
IHC 10-20, 15-30, W-30	3	Cockshutt 30, Co-op E-3	
IHC W-4, W-6, W-9	7	Farm Crest 30	17
Allis Chalmers B, C	9	Oliver 70	15
Allis Chalmers WC	12	Massey Harris 101, Sr. Jr.	10

This is the Tractor Seat that keeps you "on the level". Gyro leveling device takes all the side slap and pitch out of tractor operation. Adjust to driver's weight from 85 to 250 lbs. Be sure to order by MAKE, MODEL and TYPE listed at left.

FRAME Complete But Less Seat. Use with Your Present Seat.
24A20
Each **$24.95**

FRAME Complete with Large STEEL BUCKET SEAT
24A40
Each..... **$29.95**

FRAME Complete with DeLuxe CUSHION SEAT with BACK REST as Pictured
24A60
Each **$39.95**

DETACHABLE SEATS

Fits all tractors and implements. Can be easily transferred to wherever needed. Seat is thickly upholstered and backed by steel springs, waterproof covered. Bottom of strong channel iron, drilled for easy installation.

Stk. No. 49A17—Wt. 25 lbs..**$7.95**
With Special Bracket for IHC, H&M
Stk. No. 49A16—Wt. 28 lbs..**$9.25**

UNDER-SEAT TOOL BOX

Use one or two with above seat. 13"x4"x4" size.
Stk. No. 49A18—4 lbs..... **$1.59**

COMFORTABLE SEAT CUSHIONS

FOAM RUBBER—RIDE ON BUBBLES

The heaviest man can ride on the roughest field in comfort because there is 2 INCHES of air foam rubber between him and the steel seat. Millions of tiny bubbles in the thickly packed air foam rubber. Waterproof cover. Fits newer tractors.
Stk. No. 25A7—6 lbs.....Ea. **$2.98**

BUCKET TYPE SEAT

For newer tractors. Deep thick hair and fiber padding with raised sides. Completely reversible. Will not mildew.
Stk. No. 25A8—4 lbs.....Ea. **$1.89**

For a Better Buy in Farm Supplies — Better Buy From TRACTOR SUPPLY

CLEAN OIL KEEPS MAINTENANCE COSTS LOW

You cannot have clean oil unless you change your filter cartridge regularly, and when you do change be sure to put in the best—the New PRECISION cartridge.

Tractor owners like the extra filtering protection of PRECISION cartridges, the dependability of the PRECISION label as the top guarantee of quality. Order the handy pack of 6 or the carton of 24 for extra savings and convenience—you'll always have a fresh cartridge on hand. Change your cartridge when your oil begins to discolor. PRECISION cartridges are rated efficient for about 250 hours.

SPUN CONSTRUCTION—PREVENTS CHANNELING

PRECISION cartridges are made of smooth textured cotton cellulose which is SPUN around the metal center tube. This spin wrapping process is vastly superior to the common stuffing technique since it distributes the filtering material evenly and eliminates pockets.

PRECISION Cartridges fit precisely and will give you maximum protection in your oil filter. PRECISION Cartridges cannot collapse, the rigid center support tube and spun cotton hold shape permanently.

Order a Case or Carton today—if the very first element does not convince you of Precision's superiority we will refund on the whole lot.

Allow 1 lb. Each for Ship. Wt.

For FORD, FERGUSON

Fits FRAM Type F-3 filter, replaces Fram or Ford Cartridge C-3. CAN Type. Stk. No. L-106 ..... Each, **69c**
CARTON OF 6, $3.75 CARTON OF 24, $13.50

For ALLIS CHALMERS, CASE

Complete cartridge, metal shell which threads into the filter base, filled with highest quality cotton cellulose. Fits Allis Chalmers WC, W, WF, A, S. Also Case VAC, VA, 1934 to date. Replaces part 204912. CAN Type. Stk. No. L-117 ..... Each **65c**
CARTON OF 6, $3.49 CARTON OF 24, $12.95

For OLIVER

As pictured at left, fits Oliver threaded base. Fits Oliver "70", "70HC", "70KD" 1935 up. Replaces Oliver BS-5507-B. CAN Type. Stk. No. L-118 ..... Each, **75c**
CARTON OF 6, $3.98 CARTON OF 24, $14.95

CARTRIDGES for FRAM FILTERS

For FRAM model F-4 Filter, replaces Fram C-4 cartridge, as used on Ford cars and trucks, Mercury, etc. CAN TYPE. Stk. No. L-107 ..... Each, **79c**
CARTON OF 6, $4.25 CARTON OF 24, $15.95

For FRAM model F-2 Filter, replaces Fram C-2 cartridge. CAN TYPE. Stk. No. L-108 ..... Each, **$1.10**
CARTON OF 6, $5.85 CARTON OF 24, $21.95

For FRAM model F-30 Filter, replaces Fram C-30 cartridge. CAN TYPE. Stk. No. L-116 ..... Each, **89c**
CARTON OF 6, $4.79 CARTON OF 24, $17.50

For FRAM F-40 Filter, replaces Fram C-40 cartridge. CAN TYPE. Stk. No. L-120 ..... Each, **$2.49**
CARTON OF 3, $6.95 CARTON OF 6, $11.95

CARTRIDGES for A-C FILTERS

For A-C model L-1 Filter, replaces AC L-11 cartridge CAN TYPE. Fits GM cars. Stk. No. L-109 ..... Each, **75c**
CARTON OF 6, $3.98 CARTON OF 24, $14.95

For A-C model L-4 Filter, replaces AC L-14 cartridge. CAN TYPE. Stk. No. L-110 ..... Each, **69c**
CARTON OF 6, $3.75 CARTON OF 24, $13.50

For A-C model S-1 Filter, replaces AC S-11 cartridge. CAN TYPE. Stk. No. L-111 ..... Each, **89c**
CARTON OF 6, $4.79 CARTON OF 24, $17.50

CARTRIDGES for DE LUXE FILTERS

For models CU, CS Filter, replaces CS cartridge. Used on IHC trucks. SOCK TYPE. Stk. No. L-212 ..... Each, **89c**
CARTON OF 6, $4.79 CARTON OF 24, $17.50

For model JC DeLUXE Filter, replaces JC cartridge. SOCK TYPE. Stk. No. L-213 ..... Each, **85c**
CARTON OF 6, $4.59 CARTON OF 24, $16.95

CARTRIDGES for BRIGGS FILTERS

Commonly installed on J. I. CASE Tractors.
Replaces Briggs G-3. CAN TYPE. Stk. No. L-121 ..... Each **$1.10**
CARTON OF 6, $5.95
Replaces Briggs G-4. CAN TYPE. Stk. No. L-122 ..... Each **$1.35**
CARTON OF 6 $7.35

CARTRIDGES for PRECISION FILTERS

Replacement cartridges for our own Large Precision Tractor Filter. CAN TYPE, boxed with gaskets. Stk. No. 19A101 ..... Each **$1.25**
CARTON OF 3, $3.19 CARTON OF 6, $5.95

For IHC McCORMICK DEERING

For Purolator, replaces P-15 element FARMALL Regular, F-20, F-30, F-12, F-14, IHC 10-20, W-30, T-20. REPLACES IHC 63858D
Farmall "M" late 1942 and after, with serial nos. above 59394.
Farmall "H" 1939-42, with serial nos. before 121022.
Farmall "A" and "B" 1939-42, with serial nos. before 96389.
IHC W-4 1939-42; W-6 1942 and after.

SOCK Type Stk. No. L-201 Stk. No. L-101 CAN Type	EACH Either Type	69c
	CARTON of 6	$3.75
	CARTON of 24	$13.50

For Purolator, replaces P-20 element, IHC 15-30, 22-36, WD-6, WD-9.
Farmall "M" 1939-42, with serial numbers before 59393. See small cartridge above for later models.

SOCK Type Stk. No. L-202 CAN Type Stk. No. L-102	EACH, Either Type	89c
	CARTON of 6	$4.79
	CARTON of 24	$17.50

For Late Type, Small Filter.
Farmall "H" late 1942 and after, with serial nos. above 121022.
Farmall "A" and "B" late 1942 and after, serial nos. above 96389. REPLACES
IHC W-4, late 1942 and after. IHC 63855D

SOCK Type Stk. No. L-203 CAN Type Stk. No. L-103	EACH, Either Type	65c
	CARTON of 6	$3.49
	CARTON of 24	$12.95

For DEERE

For Purolator Filters Fits "A", "B", "D", "G" 1940 and after and also prior years if equipped with Deere Conversion unit. Replaces Deere part AA-2092-R

SOCK Type Stk. No. L-204 CAN Type Stk. No. L-104	EACH, Either Type	69c
	CARTON of 6	$3.75
	CARTON of 24	$13.50

For Purolator Filters Fits model "H" only. Replaces Deere part AH-783-R SOCK TYPE—Stk. No. L-205

	EACH,	65c
	CARTON of 6	$3.49

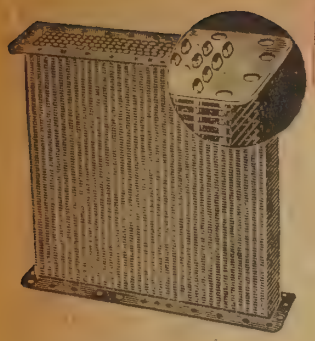
CARTRIDGES for PUROLATOR N-15, N-16

For Purolator N-15 Filter. CAN TYPE. Stk. No. L-114 ..... Carton of 6, $3.75 ..... Each, **69c**

For Purolator N-16 Filter. CAN TYPE. Stk. No. L-115 ..... Carton of 6, $3.98 ..... Each, **75c**

Buy With Confidence—Your Satisfaction Is Guaranteed on Every Purchase

Big Savings on RADIATOR CORES



$5.00 Trade-In Allowance on your old core

Here is money-saving news for Tractor Supply Customers! We will give you 5.00 Trade-In Allowance for "Junk" value of your old core. Sell core locally or return to us Prepaid for your $5.00 Exchange Allowance.

LARGE OVAL TUBES FOR EXTRA COOLING CAPACITY

HEAVY DUTY CORES made of finest copper and brass alloys reinforced and sealed with high tin content solder.

FREEZEPROOF & SHOCKPROOF, built to provide maximum cooling capacity and to withstand vibration without leaking.

LARGE OVAL TUBES are made of rust-resisting PRE-WAR copper, soldered to horizontal fins for maximum heat transfer.

ALL CORES ARE BUILT to exact specifications for easy installation. Cores for older model tractors are supplied complete with top and bottom header plates with holes drilled, ready to bolt to old water tanks.

CORES FOR IHC, H & M are supplied as a complete unit. Others are supplied as specified with header plates ready to solder to old tanks.

FOR IHC, McCormick-Deering, FARMALL

For **Farmall F-12, F-14, W-12.** Height 19". Header plates 5⅝" x 17½". Complete with holes drilled ready to bolt to tank. **Stk. No. C-4.** Wt. 26 lbs. Ea. **$19.75**

For **Farmall Regular, F-20, all 10-20.** Height 20⅜". Header plates 5¼" x 22". Complete with holes drilled ready to bolt to tank. **Stk. No. C-5.** Wt. 32 lbs. Ea **$25.95**

For **Farmall F-30, 1931-39.** Height 22⅜". Header plates 5⅛" x 22". Complete with holes drilled ready to bolt to water tank. **Stk. No. C-6.** Wt. 37 lbs. **$29.95**

For **15-30, 1921-27.** Height 23½". Header plates are 5½" x 24". Complete with holes drilled ready to bolt to water tank. **Stk. No. C-7.** Wt. 36 lbs. Ea. **$29.95**

For **15-30, 1927-28, 22-36, W-30.** Height 23⅜". Header plates are 6⅛" x 24". Complete with holes drilled ready to bolt to tank. **Stk. No. C-8.** Wt. 37 lbs. **$29.95**

For **Farmall H.** Replaces IHC 67167DDX. Complete including core and water tank. Ready to be installed. **Stk. No. C-1.** Wt. 34 lbs. Ea. **$41.50**

For **Farmall M.** Replaces IHC 67173DDX. Complete including core and water tank. Ready to be installed. **Stk. No. C-2.** Wt. 39 lbs. Ea. **$52.50**

FOR ALLIS-CHALMERS

For **WC,** before No. 74329. Height 18⅛". Header plates, top, 5⅞" x 19¾", bottom, 3⅜" x 19¾". Complete core ready to be soldered to water tank. **Stk. No. C-25.** Wt. 31 lbs. Ea. **$25.95**

For **WC,** after No. 74330. Height 18¼". Header plates, top, 5⅜" x 18⅛", bottom, 2⅞" x 18⅛". Complete core ready to be soldered to water tank. **Stk. No. C-26.** Wt. 28 lbs. Ea. **$24.50**

FOR JOHN DEERE

For **D, 1925-31,** before No. 109943, Height 19¾". Header plate, top, 15⅞" x 23½". bottom, 5¾" x 23½". Complete with holes drilled ready to bolt to water tank. **Stk. No. C-9.** Wt. 32 lbs. Ea. **$26.95**

For **D, 1931 and up.** Height 19¾". Header plates, top, 15⅞" x 23½", bottom, 5¾" x 23½". Complete with holes drilled ready to bolt to water tank. (Also is heavy duty replacement for earlier model). **Stk. No. C-10.** Wt. 39 lbs. Ea. **$29.95**

For **B, 1934-40.** Height 16½". Header plates 5¾" x 16¾". Complete with holes drilled ready to bolt to water tank. **Stk. No. C-15.** Wt. 25 lbs. Ea. **$18.75**

For **A, 1934-40.** Height 18½". Header plates 5½" x 18½". Complete with holes drilled ready to bolt to water tank. **Stk. No. C-14.** Wt. 30 lbs. Ea. **$20.45**

For **A, 1940-42.** Height 20". Header plates 5½"x18⅝". Complete with holes drilled ready to bolt to water tank. **Stk. No. C-12.** Wt. 30 lbs. Ea. **$29.95**

For **A, 1942-46.** Height 21". Header plates 5½"x18⅝". Complete with holes drilled ready to bolt to water tank. **Stk. No. C-12.** Wt. 33 lbs. Ea. **$29.95**

FOR J. I. CASE

For **C, CC, D, DC,** all years. Height 20½". Header plates 5⅝"x17½". Complete with holes drilled ready to bolt to water tank. **Stk. No. C-21.** Wt. 35 lbs. Ea. **$26.95**

For **L, LI, 26-40,** all years. Height 23". Header plates 6⅜"x22¼". Complete with holes drilled ready to bolt to water tank. **Stk. No. C-20.** Wt. 44 lbs. Ea. **$31.50**

For **RC, 1936-40.** Height 19". Header plates 5⅝"x17½". Complete with holes drilled ready to bolt to water tank. **Stk. No. C-22.** Wt. 30 lbs. Ea. **$21.95**

PERMATEX CHEMICALS

FORM-A-GASKET No. 1. Fast drying, hard setting. Seals unions.
Stk. No. 20A31. 1½ oz. tube..... 23c
Stk. No. 20A32. 11 oz. tube..... 89c

FORM-A-GASKET No. 2. Slow drying, remains pliable. General use.
Stk. No. 20A34. 1½ oz. tube..... 23c
Stk. No. 20A35. 8 oz. tube..... 89c

GASKET SHELLAC. Heavy bodied adhesive leak sealer.
Stk. No. 20A39. 2 oz. bottle with applicator..... 17c
Stk. No. 20A40. ½ pt. can with brush..... 69c

AVIATION FORM-A-GASKET. Changes to paste but never hardens.
Stk. No. 20A37. ¼ pt. can with brush..... 59c

RADIATOR CLEANER. Quickly dissolves rust and scale.
Stk. No.20A43. 1 qt. bottle..... $1.35

RUST PREVENTOR. Put in radiator at once after cleaning.
Stk. No. 20A44. 3 oz. can..... 33c

FORM-A-WELD. Permanently repairs cracked heads and jackets.
Stk. No. 20A45. 1 pt. can..... $1.35

NEATSFOOT OIL. Softens and preserves leather. Water resistant.
Stk. No. 20A46. 1 pt. can..... 69c

LIQUID RADIATOR CEMENT. Seals leaks in cooling system.
Stk. No. 20A42. ½ pt. can..... 45c

TOON-OYL. Crankcase detergent, prevents carbon formation.
Stk. No. 20A49. 1 pt. can..... 69c

ENGINE ENAMEL. Grey, heatproof, one coat covers. Bakes on.
Stk. No. 20A50. ½ pt. can..... 69c

VALVE GRINDING COMPOUND. Will reseat super-hard valves.
Stk. No. 20A51. 1½ oz. can for hand or machine grinding..... 33c

NON-DRYING PRUSSIAN BLUE. For lining up valves and bearings.
Stk. No. 20A52. ¾x4" tube..... 23c

PENETRATING OIL. Lubricates damp and rusty bearing surfaces.
Stk. No. 20A47. ½ pt. can..... 33c

ENGINE HOUR METERS

Here is the means of obtaining a foolproof record of tractor or truck engine operating time, for servicing records, changes, etc. An aircraft type instrument which starts recording when the motor is turned on, and shuts off automatically when the engine stops. **Connects into oil pressure line. Will operate on any battery equipped tractor.**

6 VOLT—Stk. No. 3E37..... **$17.50**
12 VOLT—Stk. No. 3E36.....

RADIATOR HOSES

For IHC Models	Size	Stk. No.	Each
Farmall Regular, F-20, 10-20	2½"x5½"	13A50	19c
All 15-30; Outlet only for 22-36	3"x4½"	13A51	17c
22-36, Inlet hose only	2⅜"x3½"	13A55	13c
F-12, F-14, W-12, Inlet only	2"x5¼"	13A52	11c
F-12, F-14, W-12, Outlet only	2"x3¾"	13A53	10c
Adjustable Hose Clamp		13A54	10c

HEAT INDICATOR

EASILY INSTALLED ON ANY TRACTOR, CAR OR TRUCK

This precision gauge is guaranteed to give you the accurate temperature of your engine at all operating speeds. It is easily installed and is supplied complete with all fittings and brackets for post or panel mounting. Heat unit plugs into block or radiator hose.
Stk. No. 19A27. Complete, wt. 1¼ lbs. **$2.49**

RADIATOR & FUEL TANK CAPS

Fits Allis Chalmers, Deere, Case, IHC and most other tractors and trucks with 1⅞" bayonet type filler necks. Original equipment type with scored grips and rust-reisting finish, same as on most current model tractors and trucks. Fuel caps have heavy leather gasket with protected breather vent. Radiator caps have rubber gasket. Always keep a spare on hand.

FUEL TANK CAP—Stk. No. 19A28—Ship. wt. ½ lb.....Each
RADIATOR CAP—Stk. No. 19A29—Ship. wt. ½ lb.....Each **19c**

GAS GAUGE

Fits All Tractors, Combines, and Other Tanks with Standard 1⅞" Bayonet Filler Necks.

You'll never run out of gas with this type of gauge because the indicator rod tells you exactly what your reserve supply is at a glance. Cuts repair bills by guarding against foreign matter that gets into tank when measuring by stick. Comes complete with cap, float and indicator. Rod is long enough for deepest tanks and can be cut and top bent to fit your tank.
Stk. No. 19A31—Ship. wt. 1 lb.....Each **85c**

Buy With Confidence—Your Satisfaction Is Guaranteed on Every Purchase

Quality SPARK PLUGS for Your Tractor

PRECISION

Precision Spark Plugs are All Heavy Duty Construction for the severe service demands of tractor, truck, or car. New flat wire electrodes give a fatter spark. Top quality porcelain insulators will not short at any operating temperature. Center electrode is permanently sealed to prevent compression loss. Shells are fully machined and fit accurately.

TYPE	THREAD	HEAT RANGE	STK. NO.
1	⅞ in.	Hot	SP-1
2	⅞ in.	Cool for Hi-Comp.	SP-2
3	18 MM.	Hot	SP-3
4	18 MM.	Cool for Hi-Comp.	SP-4
5	½ in.	Hot	SP-5
7	14 MM.	Hot	SP-7
8	14 MM.	Cool for Hi-Comp.	SP-8

EACH **39c** EACH in lots of 4 **35c** EACH in lots of 10 **33c**

CHAMPION

Brand new Champion Plugs at money saving prices. Latest type porcelains and all the features that Champion advertises as "The Plug the Champions Use." We carry complete stocks and can service your tractor, car, or truck with the correct thread size and heat range to suit your fuel and type of operation. Right plug supplied if you state make and model.

TYPE	THREAD	HEAT RANGE	CHAMPION NO.	STK. NO.
2	⅞ in.	Very cold—Gas, Hi-Comp.	O-Com.	SP-20
2	⅞ in.	Cold—Gasoline fuel	1-Com.	SP-21
1	⅞ in.	Hot—Average use	22	SP-22
1	⅞ in.	Hot—Extra long thread	2-Com. L	SP-23
4	18 MM.	Cold—Gas fuel, severe service	H-17-A	SP-31
3	18 MM.	For normal service	15-A	SP-33
8	14 MM.	Cold—Gas fuel, severe service	J-9	SP-41
8	14 MM.	For normal service	J-8	SP-42
7	14 MM.	Hot—Normal service	J-4	SP-43

EACH **75c** EACH in lots of 4 **69c**

GENUINE A-C SPARK PLUGS

Because of quantity buying, we can offer Genuine, Nationally Advertised, A-C Spark Plugs at sensationally low prices! Each plug a guaranteed brand new, packed in original A-C box with correct size and heat range for tractors shown.

18 MM. THREAD FOR IHC H & M, CASE, DEERE, ETC.

AC plug No. 83 as specified by IHC for hard service in 1939-48 models; A, B, H, M, W4, W6, etc. CASE D, DC, V, VAC; DEERE A, B, 1941-47; OLIVER 70; MASSEY HARRIS.

Set of 4 Spark Plugs..... $1.00

WHEEL SPINNER

Tractor operators who have used one of these handy spinners say they wouldn't take $100 for it if they couldn't get another right away. The ease of handling all row crop work makes a big difference in feeling less tired after a day in the field, planting, cultivating, spraying, picking.

This is a heavy duty type spinner, built for tractor work and much heavier than the die cast type used on cars. Heavy wood knob, reinforced bushing with steel bracket and stud.

Stk. No. 19A30. Ship. wt. 1 lb. Each.... **29c**

SPARK PLUG CABLES

Wires Cut to Proper Length, Fitted with Right Terminals—Ready to Install. Made of the best grade flexible wire, rubber insulated with weather proof fabric coating for best service.

	Model	No. Wires Used	Stk. No.	Per Set
ALLIS CHALMERS	W, WC	4	W141	59c
	B, RC	4	W142	59c
J. I. CASE	L, L1, 26-40	4	W151	89c
	C, CC	4	W152	89c
	R, RC	4	W153	89c
JOHN DEERE	D & GP to 1931	2	W121	83c
	A 1934-46	2	W122	59c
	B 1934-46	2	W123	55c
	H	2	W124	69c
FORD, FERGUSON	1939-47	4	W131	85c
IHC McCORMICK DEERING	Farmall Reg. 10-20	4	W101	59c
	F20, F30	4	W103	57c
	15-30—22-36	4	W102	79c
	F-12, F-14	4	W104	75c
	Farmall "M"	4	W105	69c
	Farmall "H"	4	W106	69c

Lowest Prices on FAN BELTS

Low as 65c

LONG WEARING TRACTOR FAN BELTS, designed and built by leading manufacturers. Highest quality new rubber laminated ply construction.

IHC

Farmall Regular 1924-31. 44¼" flat belt. Stk. No. B-11. 1½ lbs. Each..... **79c**

Farmall Regular 1924-31. 44¼" DeLuxe fabric covered belt for extra service. Stk. No. B-101. 1½ lbs. Each..... **$1.49**

Farmall F-20, 1932-38. 45½" flat belt. Stk. No. B-10. 1¾ lbs. Each..... **79c**

Farmall F-20, 1932-38. 45½" DeLuxe fabric covered belt for extra service. Stk. No. B-100. 1¾ lbs. Each..... **$1.49**

Farmall F-20, 1938-39. V belt 48⅝" I.D. Stk. No. B19. 2 lbs. Each..... **$1.29**

IHC 10-20, 1923-32. 47" Flat Belt. Stk. No. B-14. 2 lbs. Each..... **98c**

IHC 15-30, 1921-28. 51½" Flat Belt. Stk. No. B-15. 2 lbs. Each..... **$1.39**

IHC 22-36, 1929-35. V belt 55" I.D. Stk. No. B-16. 2½ lbs. Each..... **$1.69**

Farmall "H," W-4, F-12, F-14. V belt 35½" I.D. Stk. No. B-12. 2 lbs. Each..... **75c**

Farmall "H" Generator Belt Only. V belt 31" I.D. Stk. No. B-21. 1½ lbs. Each..... **75c**

Farmall "M," W-6, Fan only. V belt 43¼" I.D. Stk. No. B-52. 2 lbs. Each..... **$1.19**

Farmall "M," W-6, Generator Belt. V 34" I.D. Stk. No. B-22. 1½ lbs. Each..... **85c**

Farmall A and B, 1939-46. V belt 31" I.D. Stk. No. B-20. 1½ lbs. Each..... **75c**

Farmall F-30, W-30, 1931-39. V belt 47" I.D. Stk. No. B-13. 2 lbs. Each..... **$1.39**

ALLIS-CHALMERS

B, C, RC without generator. V belt 30⅛" I.D. Stk. No. B-44. 1½ lbs. Each..... **65c**

B, C, RC with generator. V belt 34¾" I.D. Stk. No. B-45. 1½ lbs. Each..... **85c**

W, WC, WF without generator. V belt 39½" I.D. Stk. No. B-41. 2 lbs. Each..... **85c**

W, WC, WF with generator. V belt 43½" I.D. Stk. No. B-42. 2 lbs. Each..... **85c**

FORD (Ferguson)

Ford 1939-41, "short" V belt for small generator. Repl. part 9N8620A, 40⅞". Stk. No. B-37. 2 lbs. Each..... **69c**

Ford 1941-46, "long" V belt for large generator. Repl. part 9N8620B, 43" I.D. Stk. No. B-38. 2 lbs. Each..... **85c**

OLIVER

18-27, 18-28, 1930-37. V belt 41⅛" I.D. Stk. No. B-81. 2 lbs. Each..... **98c**

"70" 1935-46 Fan belt. 35½" I.D. V belt. Stk. No. B-12. 2 lbs. Each..... **75c**

"70" 1935-39 Generator belt. 28½" I.D. V belt. Stk. No. B-86. 1½ lbs. Each..... **79c**

"70" 1939-46 Fan and Generator Belt. 40¼" I.D. Stk. No. B-55. 2 lbs. Each..... **95c**

Have you replaced your Oil Filter Cartridge lately? See page 30

J. I. CASE

"C," "CC" 1929-32. Flat belt 43¼". Stk. No. B-53. 2 lbs. Each..... **$1.29**

"L" 1928-32. Flat belt 44" long. Stk. No. B-51. 2 lbs. Each..... **$1.49**

C, CC, D, DC, L, LA 1933-46. V belt 43¼" I.D. Stk. No. B-52. 2 lbs. Each..... **$1.19**

"S," "SC" 1940-46 without generator. V belt, 42½". Stk. No. B-57. 2 lbs. Each..... **98c**

"S," "SC" 1940-46 with generator. V belt 45¼" I.D. Stk. No. B-56. 2 lbs. Each... **98c**

"R," "RC" 1936-42. V belt 37½" I.D. Stk. No. B-54. 2 lbs. Each..... **95c**

"V," "VC," "VAC" 1940-46 without generator. V-belt 37½". Stk. No. B-54. 2 lbs. Each..... **95c**

"V," "VC," "VAC" 1940-46 with generator. V belt 40¼". Stk. No. B-55. 2 lbs. Each **95c**

MASSEY-HARRIS

20-30, K, OK, 1927-34. 47" Flat belt. Stk. No. B-14. 2 lbs. Each..... **98c**

Pacemaker, Challenger 1935-42. V belt 43¼" I.D. Stk. No. B-52. 2 lbs. Each..... **$1.19**

MINNEAPOLIS MOLINE

17-28, 12-20 Twin City. 33½" Flat belt. Stk. No. B-61. 1½ lbs. Each..... **$1.19**

"J," "JTS," "JTU." V belt 38" I.D. Stk. No. B-65. 1½ lbs. Each..... **89c**

"Z," "ZTS," "ZTU." V belt 43" I.D. Stk. No. B-38. 2 lbs. Each..... **85c**

Regardless of Size, All Orders Are Shipped Within Six Hours

New & Rebuilt CARBURETORS—MAGNETOS

ZENITH CARBURETORS

Choice of Brand New or Rebuilt

COMPARE OUR PRICES! See how little it costs you to replace your old carburetor with either a Brand New Zenith, or one completely reconditioned at the factory. **Genuine Zenith, original equipment on most models listed below.**

NO TIME WASTED! Order on an Outright basis. Then, send in your old carburetor for trade-in refund allowed.

ALLIS-CHALMERS

Model & Year	Type	Mfrs. No.	Our Stock No.	Outright	Trade-In	Net Price, Exchange
WC, 1933-37	Brand New	U-3195	C-610	$11.95	$ 2.00	$ 9.95
WC 1933-37	Rebuilt	U-3195	C-710	9.95	2.00	7.95
WC, 1938-45	Brand New	209312	C-611	11.45	2.00	9.45
WC, 1938-45	Rebuilt	209312	C-711	9.45	2.00	7.45
B&C, 1940-44	Brand New	211456	C-613	11.45	2.00	9.45

J. I. CASE

C&CC 1935-39	Brand New	01690AB	C-620	12.95	2.00	10.95
C&CC 1935-39	Rebuilt	01690AB	C-720	10.95	2.00	8.95
D & DC 1940-45	Brand New	04999AB	C-621	15.95	2.00	13.95
D & DC 1940-45	Rebuilt	04999AB	C-721	10.50	2.00	8.50
L & LA 1939-45	Brand New	.....	C-622	29.95	8.00	21.95
S & SC 1940-45	Brand New	.....	C-623	11.95	2.00	9.95
R & RC 1935-40	Brand New	.....	C-624	12.95	2.00	10.95
R & RC 1935-40	Rebuilt	.....	C-724	9.95	2.00	7.95

IHC McCORMICK DEERING

Farmall F20 1932-39	Brand New		C-600	29.25	8.00	21.25
Farmall F20 1932-39	Rebuilt		C-700	21.95	8.00	13.95
F30, W30 1932-39	Brand New		C-601	29.25	8.00	21.25
F30, W30 1932-39	Rebuilt		C-701	21.95	8.00	13.95
Farmall A, B, Combines 123, 22, 1939-47	Brand New		C-602	12.95	2.00	10.95
	Rebuilt		C-702	9.95	2.00	7.95

AIR INTAKE HOSE FOR CARBURETOR

For all Farmall Regular, F-12, 14, 20, 10-20, 15-30, 22-36. 2" hose, 1⅞" long. 2 req. **Stock No. 13A-57.** Each..... **7c**

OLIVER

70HC 1935-37	Brand New	BS393	C-631	13.45	2.00	11.45
70HC 1935-37	Rebuilt	BS393	C-731	9.95	2.00	7.95
70HC 1938-44	Brand New	BS393D	C-632	12.75	2.00	10.75

MARVEL SCHEBLER

BRAND NEW ORIGINAL EQUIPMENT CARBURETORS for FORD & DEERE

Don't waste time and money trying to repair your old tractor carburetor! Trade it in for a Brand New MARVEL SCHEBLER. Send Outright Sale Price with your order: Then, within ten days, return your old carburetor with all parts, postpaid, for Trade-In Allowance.

Model & Year	Type	Stk. No.	Outright Price	Trade-In Allowance	Net Price Exchange
For FORD TRACTORS 1936-46					
Ford, 1939-46	New	C-650	$11.95	$2.00	$ 9.95
Ford, 1939-46	Rebuilt	C-750	9.95	2.00	7.95
For John DEERE "A" 1939-46					
"A", 1939-46	New	C-651	$16.95	$2.00	$14.95
"A", 1939-46	Rebuilt	C-751	14.95	2.00	12.95
For John DEERE "B" 1939-46					
"B", 1939-46	New	C-652	$16.95	$2.00	$14.95
"B", 1939-46	Rebuilt	C-751	14.95	2.00	12.95

COMPLETE CARBURETOR OVERHAUL KITS

KITS FOR IHC

Farmall F-12, F-14, 1934-49.
C-100.....**Kit $2.25**

Farmall 1927-29 (T15906-T66811) 10-20, 1927-29 (KC85794-KC143517) Ensign 1¼ in.
C-101.....**Kit $3.95**

Farmall 1929-31 (T66812-T134954) 10-20, 1929-36 (KC143518-KC207275)
C-102.....**Kit $3.95**

15-30 (TG50131-TG73649).
C-103.....**Kit $3.95**

15-30 (TG73650-TG99925).
C-104.....**Kit $3.95**

22-36 (TG99926-TG157477).
C-105.....**Kit $3.95**

Farmall F-20, F-30, W-30, 1931-37.
C-106.....**Kit $3.95**

KITS FOR ALLIS CHALMERS

"W-C" & "W-F", 1933-37 using Zenith carb. 0-7078.
C-84.....**Kit $4.25**

"W-C" & "W-F", 1938-47 using Zenith carb. 0-9707.
C-85.....**Kit $4.25**

For all 1939-46 Ford Tractors using Schebler Car. TSX-33.
C-91.....**Kit $2.65**

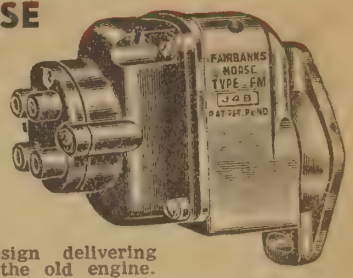
KITS FOR DEERE

"A" serial 410,000-487,999. Also "G" 1,000-12,999.
C-90.....**Kit $3.95**

"B" serial 1,000-95,999.
C-88.....**Kit $3.75**

FAIRBANKS—MORSE

BRAND NEW MAGNETOS



ELIMINATE IGNITION TROUBLES! Now you can buy a Brand New Magneto for less than the usual charge for a repair job. Be sure to check applications before ordering.

BRAND NEW Fairbanks-Morse type "J" magnetos, the same as used on late model original equipment, are now available to replace those on older tractors. Compact, powerful, improved design delivering intense spark. Puts new life in the old engine.

NEW F-M Magneto for IHC Tractors, 1925-31, replacing old E-4-A or Dixie. **Stk. No. M-201.** Ship wt. 9 lbs.....Each **$33.25**

NEW F-M Magneto for IHC Tractors 1931-35, replacing early F-4 with open type coupling. **Stk. No. M-202.** Ship wt., 9 lbs. Each **$36.75**

NEW F-M Magneto for IHC Tractor, 1935-39, replacing late F-4 with housing over coupling. **Stk. No. M-203.** Ship. wt., 9 lbs....Each **$36.75**

New F-M Magneto for IHC A, B, H, M, W-4, W-6, replacing H-4 magneto. **Stk. No. M-204.** Ship. wt., 9 lbs.....Each **$33.25**

NEW F-M Magneto for Allis Chalmers WC, B, C, RC 1938-47. Flange mounting type. **Stk. No. M-205.** Ship. wt.,, 9 lbs.....Each **$33.25**

NEW F-M Magneto for DEERE "A" Nos. 410,000 to 424,025 and all after No. 488,000; fits "B" Nos. 90,000 and after; "H" and "HN." No. M-207. Ship. wt., 9 lbs.....Each **$30.50**

NEW F-M Magneto for DEERE D, G, GP, 1937-47; fits "A" Nos. 424,025 to 487,999, "B" Nos. 1,000 to 89,999. **Stk. No. M-209**..... **$30.50**

NEW F-M Magneto for CASE C, CC, D, DC, L, LA. Base mount- ing. **Stk. No. M-208.** Ship. wt., 9 lbs.....Each **$33.25**

NEW F-M Magneto for CASE S, SC. Flange mounting. **Stk. No. M-210.** Ship. wt., 9 lbs.....Each **$33.25**

NEW F-M Magneto for CASE V, VC. Flange mounting. **Stk. No. M-211.** Ship. wt., 9 lbs.....Each **$33.25**

NEW F-M Magneto for CASE R, RC; MINN. MOLINE J, JTU, M, MTA. Base mounting. **Stk. No. M-212.** 14 lbs..... **$41.25**

NEW F-M Magneto for MINN. MOLINE "R" and "Z" series. Flange mounting. **Stk. No. M-213.** 13 lbs. **$41.25**

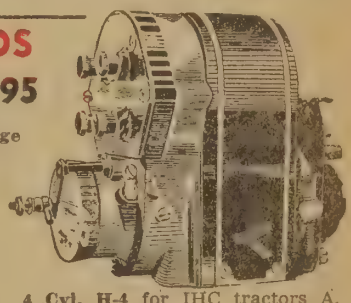
NEW F-M Magneto for MASSEY HARRIS Challenger and Pace- maker. Flange mounting. **Stk. No. M-214.** 10 lbs..... **$33.25**

NEW F-M Magneto for OLIVER 70. 6 cylinder heavy duty, Flange mounting. **Stk. No. M-215**..... **$47.25**

REBUILT MAGNETOS

The following magnetos are carried in stock so you can either bring in your old one and trade, or order by mail under the exchange plan. When ordering by mail, either send in your old magneto with the exchange price, or send full price and return your old magneto within 30 days and our allowance check will be sent promptly.

$17.95
Net Exchange Price



4 Cyl. Dixie Splitdorf for IHC tractors 1923-28. Trade-In Allowance $5.00.
M-100—Outright Sale Price $22.95

4 Cyl. E-4-A for IHC tractors 1928-31. Trade-In Allowance $7.00.
M-101—Outright Sale Price $24.95

4-Cyl. F-4 for IHC tractors 1932-35. Trade-In Allowance $9.00.
M-102—Outright Sale Price $26.95

4 Cyl. F-4 for IHC tractors 1935-39. Trade-In Allowance $9.00.
M-103—Outright Sale Price $26.95

4 Cyl. H-4 for IHC tractors A, B, H, M, W-4, W-6. 1939-47. Trade-In Allowance $7.00.
M-104—Outright Sale Price $24.95

4 Cyl. Fairbanks for Allis Chalmers, WC, B, C, RC, 1938-47. Trade-In Allowance $5.00.
M-105—Outright Sale Price $22.95

2 Cyl. for DEERE 1925-31 models. Trade-In Allowance $5.00.
M-106—Outright Sale Price $22.95

2 Cyl. for DEERE 1938-46 models. Trade-In Allowance $5.00
M-107—Outright Sale Price $22.95

POINTS FOR YOUR MAGNETO

For IHC, E-4-A. Also Bosch.
MP-72—Tungsten points....**Set 35c**
MP-73—Platinum points **Set $2.35**

For IHC, F-4 Magneto.
MP-76—Tungsten points....**Set 69c**

For IHC, H-4 Magneto.
MP-86—Tungsten points....**Set 67c**

For DIXIE-SPLITDORF.
MP-75—Tungsten points....**Set 79c**

For DIXIE-SPLITDORF, wide point.
MP-78—Tungsten points....**Set 79c**

For American BOSCH MJB.
MP-87—Tungsten points....**Set 89c**

For WICO, AP.
MP-90—Tungsten points....**Set 85c**

For BOSCH AT, U, ZR, 1933 and after. Thick short screw.
MP-74—Tungsten points....**Set 39c**

For Fairbanks FM4B.
MP-88—Tungsten points....**Set 85c**

For Fairbanks FMJ.
MP-89—Tungsten points....**Set 85c**

For FAIRBANKS RV, DRV.
MP-80—Tungsten points....**Set 89c**

For FAIRBANKS.
MP-81—Tungsten points....**Set 95c**

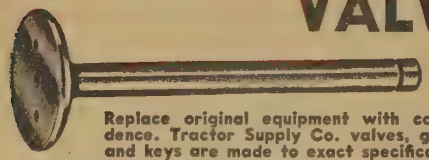
For EISEMANN.
MP-83—Tungsten points....**Set 69c**

FOR WICO, C & A.
MP-91—Tungsten points....**Set 85c**

You Will Always SAVE When You BUY From TRACTOR SUPPLY

Precision PARTS for ALL TRACTORS

VALVES—GUIDES—SPRINGS



Replace original equipment with complete confidence. Tractor Supply Co. valves, guides, springs and keys are made to exact specifications by well known motor parts makers. Valves are forged from long-wearing, heat-resistant high alloy Silichrome steel guaranteed to deliver maximum motor efficiency at the extreme temperatures developed by normal tractor operating conditions. Strong, one-piece construction, recommended by engineers, prevents warping and breaks. Valve guides of nickel alloy cast iron for long, dependable service. Valve springs made from tempered spring steel to withstand oscillation and heat. Keys are equal to original equipment. Be sure to order correct parts to fit your tractor.

IHC Farmall Reg. & F-20
Exh. valve ...SV4 ...1.45
Int. valve.....V-8 . . .95
Guide, reg. ...V101. . .32
Guide, short..V102. . .35
Spring .....V207. . .19
Key, pr. .....V308... .15
Seat insert ....V507... .25
SET, 8 valves, guides, springs, keys.... 10.65

Farmall F12, F14, W12
Exh. valve.....SV9 ...1.25
Int. valve .....V-9 ... .85
Guide .....V109. . .25
Spring .....V209. . .17
Key, pr. .....V309. . .15
SET, 8 valves, guides, springs, keys.... .9.15

Farmall F-30, W-30
Exh. valve ....SV11. .1.60
Int. valve .....V-10. .1.05
Guide .....V110. . .38
Spring .....V210... .21
Key (pr.) .....V304. . .15
SET, 8 valves, guides, springs, keys 11.95

IHC 10-20, 1923-32
Exh. valve.....SV3 . .1.60
Int. valve.....V-1 . .1.05
Guide .....V101. . .32
Spring .....V201... .21
Key (pr.) ....V301... .15
SET, 8 valves, guides, springs, keys... 11.45

IHC 15-30, 1921-28
Exh. valve.....SV1 . .1.75
Int. valve.....V-4 . .1.19
Guide .....V103. . .47
Spring .....V203. . .23
Key (pr.) ....V304... .19
Seat insert ...V503. . .29
SET, 8 valves, guides, springs, keys 13.25

IHC 22-36, 1929-35
Exh. valve.....SV2 . .1.75
Int. valve.....V-6 . .1.19
Guide .....V103. . .47
Spring .....V203. . .23
Key (pr.) .....V304... .19
Seat insert ....V503. . .29
SET, 8 valves. guides, springs, keys. ..13.25

Farmall H, W4, 1939-42
Exh. valve.....SV61 ..1.35
Int. valve.....V-62... .95
Guide .....V161. . .29
Spring .....V209. . .17

Farmall M, W6, 1939-42
Exh. valve.....SV63 ..1.55
Int. valve.....V-64... .98
Guide .....V-163... .29
Spring .....V207... .19

Deere A, 1934-39
Exh. valve.....V45 ...1.25
Int. valve.....V44 ... .95
Guide .....V144... .35
Spring .....V244... .23
SET, 4 valves, guides, and springs 5.95

Deere A, 1940-46
Exh. valve.....SV65...1.75
Int. valve.....V66 ...1.35
Guide .....V165. . .39
Spring .....V244... .23
SET, 4 valves, guides, and springs 6.95

Deere B, 1935-41
Exh. valve.....V43 ... .95
Int. valve.....V42 ... .85
Guide .....V142... .35
Spring .....V242... .19
SET, 4 valves, guides, and springs 5.45

Deere D, 1925-31
Exh. valve.....V47 ...1.65
Int. valve.....V47 ...1.65
Guide .....V147. . .42
Spring .....V247... .29
Key .....V347. . .19
SET, 4 valves, guides, springs, keys 8.50

Deere G, 1938-46
Exh. valve.....SV67...1.98
Int. valve.....V68 ...1.55
Guide .....V167... .39

Deere H, 1939-46
Exh. valve.....SV69... .85
Int. valve.....V70 ... .55
Guide .....V169. . .29

Case C, CC, DC
Exh. valve.....SV28 ..1.35
Int valve.....V28 ... .98
Guide .....V128 ... .32
Spring .....V228 ... .19
Key (pr.) .....V326... .15
SET, 8 valves, guides, springs, keys....11.75

Case L, LA, 1928-46
Exh. valve.....SV29 ..1.60
Int. valve.....V29 ...1.10
Guide .....V129 ... .39
Spring .....V227... .25
Key (pr.) .....V326... .15
SET, 8 valves, guides, springs, keys. ..13.50

Case R, RC—Combines
Valve .....SV52...1.05
Guide .....V152... .29

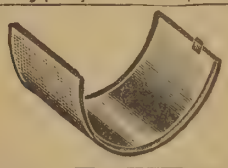
Case S, SC
Exh. valve.... SV53...1.05
Int. valve.....V54 ... .95
Guide .....V153... .29

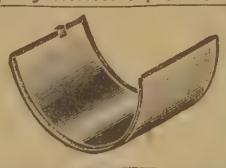
Case V, VC, VAC
Exh. valve.....SV55...1.05
Int. valve.....V56 ... .85
Guide .....V155... .25

For Ford 1939-46
Exh. valve.. .SV57 .. .69
Int. valve.....V58 ... .59
Guide .....V157... .29
Spring .....V257 .15
SET, 8 valves, guides, springs, keys . 8.25

A-C "WC" 1934-39
Exh. valve....SV16 .1.25
Int. valve.....V15 . . .89
Guide, exh....V116 . .29
Guide, int. ...V115 . .29
Spring .....V215 . . .15
Key (pr.) ...V315 . . .15
SET, 8 valves, guides, springs, keys ..10.95

A-C "WC" 1940 up
Exh. valve ...SV50 ..1.25
Int. valve ...V51 .89
Guide, exh... V116 . .29
Guide, int. ... V115 . .29
Spring .....V250... .19
Key (pr.) .....V350 . . .15
SET, 8 valves, guides, springs, keys. ..10.95





ROD and MAIN BEARINGS

Bearing For Application	Standard No.	Each	.002 Under. No.	Each
IHC Farmall Reg. & F-20				
Conn. Rod	K-101	3.25		
Front Main	1313	9.95		
Rr. Main (Ball)	1315	14.95		
IHC 10-20, F-30, W-30				
Conn. Rod	K-103	3.95		
Front Main (Ball)	1314	12.50		
Rear Main (Ball)	1316	17.50		
IHC 15-30, 22-36				
Conn. Rod (15-30)	K-107	4.50		
Front Main	1315	14.95		
Rr. Main (Ball)	1318	29.95		
IHC F-12 (to FS41590)				
Conn. Rod	K-108	.79	K-108X	.95
Ft., Cntr. main	K-110	1.15		
Rear main	K-111	2.45	K-111X	2.65

Bearing For Application	Standard No.	Each	.002 Under. No.	Each
IHC F-12 (after No. FS41590) F-14				
Conn. Rod	K-109	.79	K-109X	.95
Front Cntr. Main	K-112	1.25	K-112X	1.45
Rear Main	K-111	2.45	K-111X	2.65
IHC Farmall A, B				
Conn. Rod	K-109	.79	K-109X	.95
Front. Cntr. Main	K-120	1.25		
Rear Main	K-121	2.35		
IHC Farmall H, W-4				
Conn. Rod	K-113	1.55	K-113X	1.75
Front, Rear Main	K-114	1.25	K-114X	1.55
Center Main	K-115	3.20	K-115X	3.45
IHC Farmall M W-6				
Conn. Rod	K-116	1.75	K-116X	1.95
Front, Rear Main	K-117	1.55	K-117X	1.75
Center Main	K-118	3.15	K-118X	3.35

Bearing For Application	Standard No.	Each	.002 Under. No.	Each
Allis Chalmers WC, WF				
Rod 1934-35	K-416	1.09		
Rod, 1936-46	K-417	1.09	K-417X	1.20
Front Main	K-418	2.35	K-418X	2.75
Cent., Rear Main	K-419	1.85	K-419X	2.25
Allis Chalmers B, C, RC				
Conn. Rod	K-420	1.19	K-420X	1.35
Front Main	K-421	1.85		
Cent., Rear Main	K-422	1.95		
Oliver 70, 6 Cyl.				
Rods 1-3-5	K-837	.89	K-837X	.98
Rods 2-4-6	K-838	.89	K-838X	.98
Front Main	K-839	2.79		
In'med Mains	K-840	1.69		
Rear Main	K-841	2.85		
Minn. Moline "R", "Z"				
Conn. Rod	K-625	.98		
Minn. Moline "J"				
Conn. Rod	K-626	.95		

Bearing For Application	Standard No.	Each	.002 Under. No.	Each
Ford-Ferguson 1939-46				
Conn. Rod	K-301	.75	K-301X	.90
Ft., rear main	K-302	.90	K-302X	.95
Center main	K303	1.75	K-303X	1.95
Case R, RC, Combines C, K				
Conn. Rod	K-523	1.10	K-523X	1.25
Front Main	K-524	1.95		
Center Main	K-525	2.45		
Rear Main	K-526	1.95		
Case S, SC				
Conn. Rod	K-530	1.35	K-530X	1.50
Case C, CC, D, DC				
Front Main	K-520	2.95		
Center Main	K-521	3.25		
Rear Main	K-522	3.25		
Deere D, 1925-35				
Rod, 1925-31	K-209	3.95		
Rod, 1931-35	K-210	3.95		
Ft., rear main	K-214	6.50		
Deere "A" 1935-46				
Ft., rear main.	K-216	4.95	K-216X	5.50

GASKETS

Tractor Supply Co.'s cylinder head gaskets are made of the finest heat-resistant materials. Heavy duty—guaranteed long lasting. All are perfect fits—equal to or better than original installations. Everything you need—easy to install.

HEAD GASKETS ONLY

Fits Make & Model	Stk. No.	Each
IHC Farmall Reg. & F-20	GH-11	$ .98
IHC F-30, W-30	GH-13	1.19
IHC 10-20	GH-14	1.19
IHC 15-30, 1921-26	GH-15	1.65
IHC 15-30 1927-28	GH-16	1.65
IHC 22-36, 1929-31	GH-17	1.65
IHC 22-36, 1932-35	GH-18	1.65
IHC F-12, F-14, W-12	GH-19	.98
IHC Farmall H, W-4	GH-9	1.19
IHC Farmall M, W-6	GH-10	1.29
IHC Farmall A, B	GH-8	.98
Deere D	GH-21	1.19
Deere A, 1934-39	GH-24	.98
Deere A, 1940-46	GH-25	.98
Deere B, 1934-38	GH-26	.98
Deere B, 1939-42	GH-27	.98
Deere B, 1943-46	GH-28	.98
Deere G, all	GH-22	1.19
Deere H, all	GH-29	.75

Fits Make & Model	Stk. No.	Each
Allis Chalmers B, C, RC	GH-45	.85
Allis Chalmers 20-35	GH-41	2.98
A-C "WC" 1933-39	GH-42	1.25
A-C "WC" 1940-46	GH-43	1.25
Ford-Ferguson	GH-31	.83
M-M Twin City, 17-28	GH-62	1.39
Massey Harris 20-30	GH-77	1.19
Mass. Harris Chall. & Pacemaker	GH-76	1.39
Oliver "70"	GH-81	1.29
Oliver 18-28, 80	GH-82	1.59
Oliver 28-44, 90	GH-83	1.49
Case C, CC, D, DC	GH-53	1.25
Case L, LA	GH-54	1.35
Case R, RC	GH-56	.95
Case S, SC	GH-57	.98

MOTOR GASKET SETS

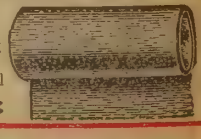
IHC Farmall Regular & F-20 11 pcs. GS-11	1.98
IHC Farmall F-30, W-30 8 pcs. GS-13	1.95
IHC 10-20 10 pcs. GS-14	1.95
IHC 15-30, 1927-28 12 pcs. GS-16	2.65
IHC 22-36, 1929-31 12 pcs. GS-17	2.65
IHC Farmall F-12, F-14 8 pcs. GS-19	1.59
IHC Farmall "H", W-4 6 pcs. GS-9	1.85
IHC Farmall "M", W-6 6 pcs. GS-10	1.85
Deere D, 1925-31 12 pcs. GS-21	2.19
Allis Chalmers WC, 1933-39 19 pcs. GS-42	2.35
Allis Chalmers WC, 1940-46 19 pcs. GS-43	2.35
Ford-Ferguson 1939-46 11 pcs. GS-31	1.19
Case C, CC, D, DC 10 pcs. GS-53	2.19
Case L, LA 16 pcs. GS-54	2.39

CORK GASKET SHEETING

18"x36"x$\frac{1}{16}$" sheet size, made of pressed cork. Stk. No. 19A37—Wt. 1 lb. ..... Per sheet **59c**

TREATED GASKET SHEETING

18"x36"x$\frac{1}{32}$" sheet size. Made of composition, will not stand exhaust heat. Low temp. only. Stk. No. 19A36—Wt. 1 lb. ..... Per sheet **49c**



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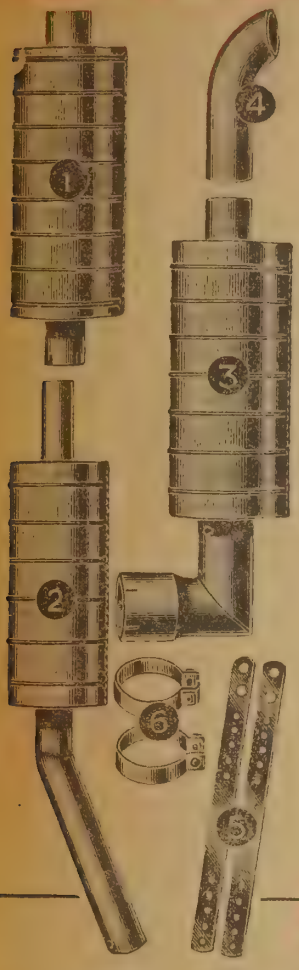
Quality MUFFLERS for Quiet Operation



Complete Kits to Equip Old Models — or Replace Present Noisy Muffler

For IHC McCormick Deering

Farmall F-12, F-14, W-12, 1933-39
Type 1; Stk. No. 28A2. Wt. 5 lbs. **$2.19**

Farmall A and B, 1939-47.
Type 1; 5" dia., 14" height, complete with clamp. Stk. No. 28A1. Wt. 5 lbs. **$2.95**

Farmall F-20, F-30, W-30, 1932-39
Type 1, 6" dia., 20" height, complete with clamp. Stk. No. 28A3. Wt. 8 lbs. **$2.95**

Farmall H, M, IHC W-4, W-6, 1939-47
Type 1, 6" dia., 19½" height, complete with clamp. Stk. No. 28A5. Wt. 8 lbs. **$2.65**

Farmall Regular, 1924-32; Complete.
Type 3, exhaust elbow, 2 strap brackets, 2 clamps and top outlet spout (4) for model not previously equipped.
Stk. No. 28A4. Wt. 11 lbs. **$3.25**

McCormick-Deering 22-36, 1929-35, Complete.
Type 3, exhaust elbow, 2 strap brackets, 2 clamps, and top outlet spout (4) for model not previously equipped.
Stk. No. 28A10. Wt. 12 lbs. **$3.95**

McCormick-Deering 15-30, Nos. TG50131 to 99925.
Fits 1927-29 models equipped with factory muffler. 3 piece unit, shell with fitted base, inner baffle tube and spout.
Stk. No. 28A9. Wt. 7 lbs. **$2.59**

McCormick-Deering 10-20, Nos. KC69613 to 139066.
Fits 1927-30 models equipped with factory muffler, 3 piece unit, shell with fitted base, inner baffle tube, and spout.
Stk. No. 28A8. Wt. 6 lbs. **$2.49**

For J. I. CASE

J. I. Case C, CC, L, 1931-36; Complete.
Type 3, with exhaust elbow, 3 strap brackets, 2 clamps, to install on models not previously equipped.
Stk. No. 28A20. Wt. 11 lbs. **$4.98**

J. I. Case C, CC, D, DC, 1937-47.
Type 1, 6" dia., 20" height, complete with clamp. Stk. No. 28A19. Wt. 8 lbs. **$3.98**

J. I. Case VAC, 1944-48.
Type 1. Stk. No. 28A1. Wt. 5 lbs. **$2.95**

For MASSEY HARRIS

Massey Harris 81, 101, 101 Jr. 1937-44.
Type 1. Stk. No. 28A33. Wt. 7 lbs. **$3.59**

For JOHN DEERE

Deere D, GP, 1928-41; Complete.
Type 3 with exhaust elbow, 2 strap brackets, 2 clamps and top outlet spout (4), to install on models not previously equipped.
Stk. No. 28A30. Wt. 12 lbs. **$3.95**

Deere B, 1934-39, Nos. 1000 to 58999.
Type 1, complete with flange.
Stk. No. 28A25. Wt. 7 lbs. **$4.45**

Deere B, 1939-44, After No. 60,000.
Type 1, complete with flange.
Stk. No. 28A26. Wt. 7 lbs. **$4.15**

Deere A, 1934-37, 410,000 to 476,999.
Type 1, complete with flange.
Stk. No. 28A28. Wt. 7 lbs. **$3.35**

Deere A, 1939-46, After No. 488,000.
Type 1, complete with flange.
Stk. No. 28A29. Wt. 8 lbs. **$2.95**

For ALLIS CHALMERS

Allis Chalmers B, C, RC, 1939-44.
Type 1. Stk. No. 28A15. Wt. 5 lbs. **$2.35**

Allis Chalmers WC, 1935-40 to No. 106509.
Type 2 with angle pipe to exhaust and top outlet pipe. Stk. No. 28A13. Wt. 8 lbs. **$2.49**

Allis Chalmers WC, 1940-46 after No. 106509.
Oval shaped, similar to type 1. 11" height.
Stk. No. 28A14. Wt. 4½ lbs. **$2.39**

For FORD

New Ford (Ferguson System), 1939-46.
Type 1, 4½" dia., 22" length. To install, cut old exhaust pipe at front of old muffler. Complete with clamp for fastening.
Stk. No. 28A22. Wt. 5½ lbs. **$2.98**

For OLIVER

Oliver 60, Row Crop, 1940-46.
Type 1. Stk. No. 28A35. Wt. 3 lbs. **$2.19**

Oliver 70, Row Crop, 1935-46.
Type 1, 4½" dia., 15" height.
Stk. No. 28A36. Wt. 4 lbs. **$2.45**

Oliver 80, 1935-44.
Fits all 18-28 models with 2¾" vertical exhaust pipe.
Type 1, 6" dia., 20" height.
Stk. No. 28A19. Wt. 8 lbs. **$3.98**

SPARKCAP

Fits onto muffler top, light in weight, absolutely rustproof, with no moving parts to wear and no noise.
Exhaust gasses coming out of muffler are swirled without back pressure. Sparks are deflected by the cupola top and cooled before passing through.
One model, as pictured at left, fits onto outlet pipe from muffler, fits all pipes from 1½" to 3" diameter. Deere models having no pipe on top of muffler take special cap which fastens direct to muffler shell.

For ALL 1½" to 3" TOP PIPES.
Fits IHC, Case, A-C, etc. **$1.75**
Stk. No. 18A45. 1 lb. Ea.

For JOHN DEERE ONLY
All 1935-47 Deere. **$1.75**
Stk. No. 18A46. 1 lb. Ea.

THE WEATHERCAP—ENDS VALVE WARPING—PROTECTS YOUR ENGINE

Prevents valves from warping due to the rushing of cold air down the exhaust pipe when the motor is shut off. All metal—will last the lifetime of your tractor.
Accurately balanced: OPENS WHEN MOTOR STARTS—CLOSES WHEN MOTOR STOPS. Fits muffler or stack. **MEASURE THE OUTLET DIAMETER ON YOUR TRACTOR BEFORE ORDERING.**

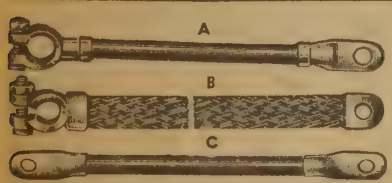
For 1½ In. Diameter Outlets
Fits Ford Ferguson; Oliver 60, some Oliver 70's, Allis Chalmers B, WC to 1939. **Stk. No. 18A41.**

For 1⅝ to 2 In. Diameter Outlets
Fits IHC F-12, F-20, F-30, W-30; Allis Chalmers WC after 1939. Deere B, H, D, GP; Fordson; most Massey-Harris; Oliver 80, some 70's, Case SC. IHC A, B, 22-36. **Stk. No. 18A42.**

For 2⅛ to 2½ In. Diameter Outlets
Fits IHC "H," "M," W-4, W-6, 10-20, 15-30; Allis Chalmers U, UC; Case VAC. **Stk. No. 18A43.**

For 2⅝ to 3 In. Diameter Outlets
Fits Case DC, some IHC 22-36; early F-20; Allis Chalmers A, E, K; Case LA. **Stk. No. 18A44.**

Each **$1.49**
Any Size
Ship. Wt. 1 lb.



BATTERY CABLES

Get every bit of electrical energy from your battery by installing new cables when the insulation is worn. Our lengths are from hole center to hole center. Measure old cable before ordering. All cables are original equipment type.

(A) Battery to Starter Switch

Stk. No.	Length	Each
W-200	14"	79c
W-201	17"	85c
W-202	19"	89c
W-203	21"	98c
W-204	27"	1.05
W-205	31"	1.19
W-206	48"	1.50

(B) Battery to Tractor or Car frame

Stk. No.	Length	Each
W-210	7"	43c
W-211	9"	49c
W-212	11"	53c
W-213	14"	59c

(C) Starter to Switch

Stk. No.	Length	Each
W-216	14"	59c
W-217	32"	98c
W-218	42"	1.35

Ship. Wt. 1 lb. Each

TRASCO ENAMEL

. . . Your Best Buy for Tractor and Implement Protection—and to give your equipment that "Brand New" appearance. Order enough enamel to use 2 coats for best possible results. One quart will give small tractor one coat.

FADE-PROOF COLORS HOLD ORIGINAL SHADES

All colors listed below have been laboratory and field tested to assure exact duplicate of manufacturers original shade. Continuous testing and improving of TRASCO ENAMEL makes it superior in providing the fullest protection in all kinds of weather, and retaining its original color.

COLOR	Quart Stk.No.	Gallon Quarts 5 lbs. Stk.No.	Gal. 16 lbs. Any Color
RED, for IHC, FARMALL	P-13	P-113	
GRAY, for older IHC, general	P-14	P-114	
GREEN, for JOHN DEERE	P-10	P-110	
YELLOW, trim for Deere	P-11	P-111	
ORANGE, for Allis Chalmers	P-12	P-112	
RED-Flambeau, for CASE	P-17	P-117	
GREEN for OLIVER	P-18	P-118	
BLACK, general use	P-15	P-115	

Quart **$1.65**
Gallon **$5.49**

For a Better Buy in Farm Supplies—Better Buy from TRACTOR SUPPLY

Save Half on REPAIR PARTS

CLUTCH SHAFT for IHC Reg. and F-20

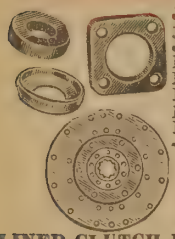
Fits all 1926-39 Regulars and F-20's with single disc clutch. Does not fit old Regulars with multiple disc clutch as used before Ser. No. T-39405. Replaces IHC 14738DA. Splines cut to fit clutch disc, bearing surfaces ground. **$5.65**
Stk. No. T-303. 6 lbs.....

CLUTCH BEARING fits rear of shaft. **Stk. No. 1308**—2 lbs.....**Ea. $3.75**
PILOT BEARING fits front of shaft. **Stk. No. 7205**—½ lb.....**Ea. $1.75**
THRUST BEARING for same shaft. **Stk. No. CT-38**—1½ lbs.....**Ea. $4.95**

CLUTCH AND TRANSMISSION COUPLINGS for FARMALL Regular and F-20

Precision machined for balance, splines cut to fit onto respective shafts. Use with coupling ring, washers, and bolts listed below.
CLUTCH SHAFT JOINT—fits onto rear end of clutch shaft, replaces IHC 15023D. Pictured at top.
Stk. No. 9A72. 2 lbs.....Each **$2.45**
TRANSMISSION SHAFT JOINT—fits onto front end of transmission shaft, replaces IHC 15105DA. **Stk. No. 9A73.** 2½ lbs.....Each **$2.95**

CLUTCH PARTS Reg. F-12, F-14, F-20



JOINT RING couples clutch joint and transmission joint. Repl. IHC 6160H. **Stk. No. 9A86**.....**Ea. 59c**
JOINT SCREWS with nuts. 4 used in clutch joint. Repl. IHC 1539DX. **Stk. No. 9A89**.....**Ea. 25c**
RUBBER WASHERS 8 used in clutch with retainers. Repl. IHC 6161H. **Stk. No. 9A87**.....**Ea. 3c**
RETAINERS 8 used in clutch joint with washers. Repl. IHC 7579T. **Stk. No. 9A88**.....**Ea. 4c**

LINED CLUTCH PLATES

Complete clutch discs with splined center to fit on clutch shaft. Each with facings riveted. Ready to install.
LINED CLUTCH PLATE for Reg. & F-20 1926-39. Fits all Regulars and F-20's after T-39405 with single plate clutch. **W-91**—6 lbs.....**Each $6.45**
LINED CLUTCH PLATE for F-12, F-14, "A", "B". Complete plate with new faces riveted. **Stk. No. W-93**—4 lbs.....**Each $5.95**
LINED CLUTCH PLATE for Farmall H, 1939-48. Complete plate with new faces riveted. Repl. IHC 64772D. **Stk. No. W-94**—6 lbs.....**Each $5.95**
LINED CLUTCH PLATE for Farmall M, 1939-48. Complete with new faces riveted. Repl. IHC 52848D. **Stk. No. W-92**—7 lbs.....**Each $6.95**

LINED CLUTCH PLATE

Multiple Disc Clutch for 10-20 and Farmall Regular
Fits **Farmall Regular** below ser. no. T-39404, and **10-20** below ser. no. KC-112150. 4 used in each clutch. Heavy steel plate with reinforcing rings in holes. Replaces IHC 10654DX.
Stk. No. 9A61. 2½ lbs.....Each **$2.45**

Clutch Grease Tubes

Oil resisting synthetic rubber, complete with fittings.
For **Farmall Regular, All F-20, and 10-20,** up to ser. no. KC-124800. Replaces IHC part 14751DX. **Stk. No. 9A91.** 8 oz. Each **49c**
For **15-30** older models with multiple disc clutch up to TG79197. Replaces IHC part 673DBX. **Stk. No. 9A92.** 10 oz.....Each **59c**
For late **15-30, All 22-36, and 10-20** after KC-124800. Replaces IHC part 11844DV. **Stk. No. 9A93.** 9 oz.....Each **65c**

PUROLATOR BASE for IHC

For FARMALL Regular, F-20, F-30, W-30 and 10-20. Each complete with stud adapter, brass check valve and pipe plug. Replaces IHC No. 13730-DBX. **Stk. No. 13A74.** Wt. 3 lbs.....Each **$4.75**

OIL GAUGE COCK for IHC

Used on All IHC tractors, 2 on each machine. ⅜" pipe thread, repl. IHC part 1998TB. Firm seat, complete as pictured. **39c**
Stk. No. C-140. 6 oz.....EACH

OIL GAUGES for IHC

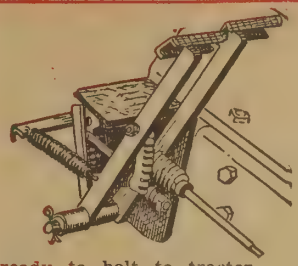
Dependable, Accurate, Dash Mounting Oil Pressure Gauges for Popular IHC and other tractors.
For Farmall Regular 1924-30; All 10-20, All 15-30. Repl. IHC 16924H
Stk. No. 8A17. 1 lb .....Each **1.19**
For Farmall F-20 and F-30, 1930-39. Stk. No. 8A20. 1 lb.....**$1.35**
For F-12, F-14, W-12, 1934-39. Stk. No. 8A18. 1 lb.....**$1.35**
For H and M, 1940-46. Stk. No. 8A19. 1 lb.....**$1.65**

OIL PUMP GEARS

For FARMALL Regular, F-20, F-30, 10-20
Worn oil pump gears mean low oil pressure and poor lubrication. Fully machined high pressure teeth. Replace IHC 10336D and 10344D. List price is $4.65.
Stk. No. T-163. 12 oz.....PER PAIR **$2.35**

STARTING CRANK for IHC

For FARMALL REG., F-12, F-14, F120, 10-20. Stk. No. 8A52—5 lbs. **$1.60 Ea.**
For FARMALL H & M, W-4, W-6, 1939-47. Stk. No. 8A53—5 lbs.



FOOT BRAKES for FARMALL REGULAR F-20 and F-30

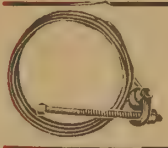
Pedal action brakes, as on late model tractors. Pedals work individually for turning, or together for fast uniform stops. Indispensable in highway travel if you have speed up gear. Brakes lock to hold tractor on hill when parked. Does not interfere with mounted implements. Each set complete, ready to bolt to tractor.
For all IHC Farmall Reg. & F-20—Stk. No. 8A91—23 lbs. Set **$12.95**
For all IHC Farmall F-30. Stk. No. 8A92—25 lbs.....Set **$14.95**

FOOT PEDAL ATTACHMENTS for COUNTERSHAFT BRAKES

Stk. No. 8A90
$2.25 PAIR

For **FARMALL Reg. 1924-1932. F-20, 1932-1938, & F-30, 1931-38.**
Easy to install—new lever rods clamp directly onto the countershaft brake shaft. Brake system works as before.

BRAKE CABLES for Farmall Regular, F-20, F-30

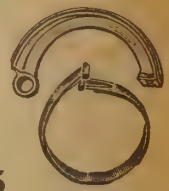


Countershaft Brake Cables complete less shackle.
For Farmall Reg. F-20. Repl. 15206DB. **Stk. No. 9A94**
Each $1.35 **Pair $2.50**
For Farmall F-30. Repl. 19832DX. **Stk. No. 9A95**
Each $1.45 **Pair $2.75**

BRAKE LINING SETS

Easy for you to reline your own brakes with these heavy duty linings—cut to fit holes drilled and countersunk, furnished complete with rivets.
For Farmall Reg.; F20, F12, F14, 1924-39. Complete set for both wheels.
Stk. No. 8A60. Wt. 3 lbs. per set..... **$1.29**
FARMALL F-30, (1931-39). Set of 4 pcs. **Stk. No. 8A45**—3 lbs. **Set $1.65**
DEERE "A" Set of 4 pcs. Replaces A441. **Stk. No. 5A33**—2 lbs. **Set $1.25**
DEERE "B" Set of 4 pcs. Replaces B223. **Stk. No. 5A34**—2 lbs. **Set $1.25**
ALLIS-CHAL. WC 4 pcs. Repl. U2638, U2639. **7A21**—1 lb.....**Set $2.45**

BRAKE SHOES AND BANDS



For FARMALL F-20, F-12, F-14. Lined shoe with heavy duty band installed, ready for use.
Lined Inner Shoe. Replaces 1534DAX
Stk. No. 8A47—Ship. wt. 3 lbs.....**Ea. $1.85**
Outer Shoe. Replaces 1535DAX
Stk. No. 8A48—Ship. wt. 3 lbs.....**Ea. $1.85**
Set of 4 Shoes for FARMALL Reg. & F-20. Complete set for both wheels.
Stk. No. 8A478.....Set **$6.75**

LINED BRAKE BANDS

For IHC Farmall "H," 1940-47, repl. 58344DAX. Two used per tractor. **Stk. No. 8A50.** 2½ lbs. EACH..... **$1.95**
For IHC Farmall "M," 1940-47, repl. 58345DAX. Two used per tractor. **Stk. No. 8A49.** 3 lbs. EACH..... **$2.39**
For FORD-Ferguson, 1939-45, repl. 9N-2019. Four used per tractor. **Stk. No. 7A43.** 3 lbs. EACH..... **$2.95**
For Allis-Chalmers WC and RC, 1935-47, repl. U-2633. Two used per tractor. **Stk. No. 7A41.** 3 lbs. EACH..... **$2.95**
For Allis-Chalmers B and C, 1939-47, repl. 216775. Two used per tractor. **Stk. No. 7A42.** 2½ lbs. EACH..... **$2.25**

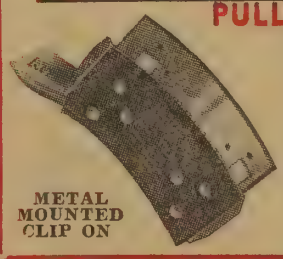
BRAKE PAWL LOCK LIFT

For IHC "H" & "M". Locks and releases brakes with the foot. Eliminates bending and reaching to lift brake pedal. Press to set brakes. 'Lock Lift' releases brakes with heel. Easy to install—no holes to drill. Slides on brake pedal pawl No. 49208D.
Stk. No. 8A89—Ship. wt. ½ lb.....Each **19c**

BRAKE CAM for IHC "H" and "M"

One used on each brake, right and left.
Repl. IHC 58348D, 58349D.
Stk. No. 8A42—Wt. 1 lb.....Pair **$1.89**

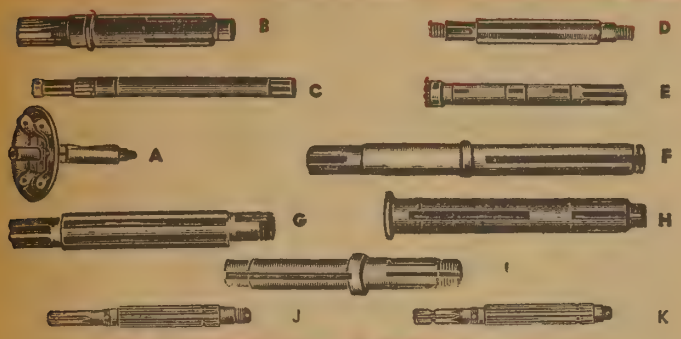
PULLEY BRAKE LINING for Deere



METAL MOUNTED CLIP ON

METAL MOUNTED. Replacement pulley brake lining unit mounted on slip-on metal shoe that can be installed in a few seconds. Woven lining correct size: 2¼x3x16 in. Fits DEERE "A", "B", "G" and "D" from serial No. 10994 up.
Stk. No. 5A30.....Each **65c**
HEAVY WOVEN LINING for DEERE & Gen. Purpose. For "D" to 1931. Repl. D385.
Stk. No. 5A31—Ship wt. ¼ lb.....**Ea. 15c**
For "D" 1931-41. Repl. D1932.
Stk. No. 5A32—Ship wt. ¼ lb.....**Ea. 15c**

Buy With Confidence—Your Satisfaction Is Guaranteed on Every Purchase



TRACTOR SHAFTS for IHC

ALWAYS INSTALL NEW BEARINGS WITH NEW SHAFT

PART	FITS MODEL	STK. NO.	WT.	PRICE
(A)	**Governor Shaft**—Farmall Reg., 10-20, 15-30, 22-36, all 1924-31 models. Repl. IHC 4240DAX	T-301	3 lbs.	$2.95
(A)	**Governor Shaft**—Farmall F-20, F-30, all 1931-39 models. Repl. IHC 17220DX	T-302	3 lbs.	$2.95
(B)	**Clutch Shaft**—Single disc clutch. Farmall Reg. F-20, 1926-29. Repl. IHC 14738DA	T-303	6 lbs.	$5.65
(C)	**Countershaft**—34⅞ in. Farmall Reg. F-20 1924-39. Repl. 15001DA, 20310D	T-304	18 lbs.	$12.45
	S.R. Ball Brg. outer end above shaft	1407	3 lbs.	$4.95
(D)	**Transmission Spline Shaft** — Farmall Reg., 1924-32. Repl. IHC 15024DB. 14⅝ in	T-305	9 lbs.	$7.45
	D.R. Ball Bear. front end above shaft	5307	2 lbs.	$6.65
	S.R. Ball Bear. rear end above shaft	1307	1 lb.	$3.35
(E)	**Transmission Main Shaft**—Farmall Reg. 1924-32. Repl. IHC 15011DA. 15¾ in	T-306	9 lbs.	$7.85
	D.R. Ball Brg. front end above shaft	5307	2 lbs.	$6.65
	S.R. Ball Brg. rear end above shaft	1307	1 lb.	$3.35
(J)	**Power Takeoff Shaft.** For Farmall Regular. Repl. IHC 15033DC	T-316	6 lbs.	$14.45
(K)	**Power Takeoff Shaft.** For Farmall F-20. Repl. IHC 20716DA	T-317	6 lbs.	$14.45
(G)	**Transmission Spline Shaft**—All 10-20 models. Rep. IHC 10545D	T-307	13 lbs.	$8.50
	Roller Brg. front or rear above shaft	C-3145	2 lbs.	$4.60
(H)	**Bull Pinion Shaft**—10-20. Ser. above KC50281. Rep. IHC 10503DA	T-308	12 lbs.	$8.95
	Roller Bearing L.H. side above shaft	C-3150	4½ lbs.	$6.20
	Roller Bearing R.H. side above shaft	C-3155	4½ lbs.	$6.20
(F)	**Rear Axle Shaft**—10-20. for tapered bearing hub. Rep. IHC 10509DC	T-309	38 lbs.	$19.95
	Cone & Cup 2 used on above shaft	566-563	4½ lbs.	$10.60
(G)	**Transmission Spline Shaft**—For all 15-30. Rep. IHC 4659D. 2"x17⅞"	T-310	15 lbs.	$11.75
	Roller Bearing front or rear above shaft	C-3105	3 lbs.	$5.40
(G)	**Transmission Spline Shaft**—For all 22-36. Rep. IHC 11704D, 2"x16⅝"	T-311	14 lbs.	$10.45
	Cone & Cup front end above shaft	447-432	2¼ lbs.	$6.10
	Cone & Cup rear end above shaft	526-522	3¼ lbs.	$7.90
(I)	**Bull Pinion Shaft**—15-30, 1927-28, Ser. above TG 43806. Rep. 4412DA	T-312	25 lbs.	$15.95
	Roller Bearing L.H. side above shaft	C-3125	7 lbs.	$8.85
	Roller Bearing R.H. side above shaft	C-3135	7 lbs.	$8.85
(I)	**Bull Pinion Shaft**—22-36, 1929 and up. Rep IHC 11721D	T-313	25 lbs.	$15.75
	Cone & Cup 2 used on above shaft	6455-6420	12 lbs.	$27.00

COUNTERSHAFT PINIONS for Farmall Regular and F-20

For **REGULAR**, 1924-31. 12 tooth pinion replaces IHC 15007DA. **Stk. No. T-158.** 4 lbs. **$3.45**

For **F-20**, 1932-39. 12 tooth pinion replaces IHC 23306D. **Stk. No. T-159.** 5 lbs. **$3.75**

STEERING PARTS for FARMALL Reg. 1924-32

(D) STEERING BEVEL PINION BRONZE BUSHING. Repl. IHC 15280D.
Stk. No. N-111. 6 oz. Each **33c**

(G) STEERING BEVEL PINION SHAFT, repl. IHC 15143D. 1⅛x5-5/16".
Stk. No. T-814. 1 lb. Each **65c**

(C) STEERING SHAFT PINION GEAR, 8 Teeth Repl. IHC 15113DB.
Stk. No. T-123, 1 lb. Each **$1.65**

STEERING GEAR AND PINION. 23-9 teeth with bronze bushing. Rep. IHC 151120AX.
Stock No. T-124. Ship. wt. 5 lbs. Each **$9.95**

TIMING GEARS

PART	No. of TEETH	REPLACES	STK. NO.	WT.	PRICE
IHC FARMALL REGULAR, F-20, 1924-39					
Magneto Drive Gear	35	409D	T-104	1½ lbs.	$1.95
Crankshaft Gear	35	10315D	T-103	3 lbs.	4.65
Camshaft Gear	70	10371DX	T-102	5 lbs.	8.65
IHC 10-20, F-30, W-30, 1923-39					
Magneto Governor Gear	28	438D	T-110	2 lbs.	1.98
Crankshaft Gear	28	10383D	T-109	3 lbs.	6.35
Camshaft Gear	56	10384DX	T-108	6 lbs.	7.95
IHC 15-30, 22-36, 1921-35					
Magneto Governor Gear	34	515D	T-113	3 lbs.	2.39
Crankshaft Gear	34	4252D	T-112	4 lbs.	4.35
Camshaft Gear	68	4219D	T-111	7 lbs.	12.95
IHC F-12, F-14, W-12, 1935-39					
Magneto Gear	33	24472DA	T-107	3 lbs.	8.25
Crankshaft Gear	33	24401D	T-106	2 lbs.	2.98
Camshaft Gear	66	3121DA	T-105	4 lbs.	8.25
JOHN DEERE MODEL "D"					
Camshaft Gear	64	AD-98	T-222	13 lbs.	5.95
Governor Idler Gear	48	AD-99	T-223	8 lbs.	4.45
Crank Gear 3½" bore	32	D-1163	T-224	4 lbs.	4.65
Crank Gear 3" bore	32	D-106R	T-225	4 lbs.	5.75
Governor Drive Gear	32	D-842R	T-226	4 lbs.	4.65
ALLIS CHALMERS WC, WF, 1925-47					
Magneto Gear	27	U-3080	T-131	2 lbs.	2.95
Crankshaft Gear	27	U-3033	T-132	2 lbs.	3.25
Camshaft Gear	54	U-3028	T-133	3 lbs.	4.95
J. I. CASE C, CC, D, DC, 1927-47					
Governor Gear	28	4647A	T-134	4 lbs.	4.85
Crankshaft Gear	28	0779AB	T-135	3 lbs.	2.75
Camshaft Gear	56	4337A	T-136	5 lbs.	5.95

TRANSMISSION GEARS for IHC Farmall Regular and F-20

Made of improved analysis alloy gear steel, teeth finished for quiet operation. Guaranteed to fit perfectly.

2nd-3rd Speed DOUBLE SLIDING GEARS

Fits on spline shaft in transmission. For REG. 1924-31. Double gear, 27 and 31 teeth. Repl. IHC 15064D.
Stk. No. T-150—Wt. 12 lbs. **$9.95**

For F-20, 1932-39. Original type, (not IHC high speed field change). Double gear, 30 and 32 teeth. Repl. IHC 20697D.
Stk. No. T-151—Wt. 12 lbs. **$9.95**

4th Speed SLIDING GEAR OF F-20

Fits on spline shaft. For F-20 only. 28 teeth. Repl. IHC 20702D.
Stk. No. T-152—Wt. 5 lbs. **$4.95**

TRANSMISSION MAIN SHAFT GEARS

Following gears have key slot, fit onto transmission main shaft.

HIGH SPEED GEAR for REG. 25 tooth gear. Repl. IHC 15046D.
Stk. No. T-121—Wt. 4 lbs. **$4.45**

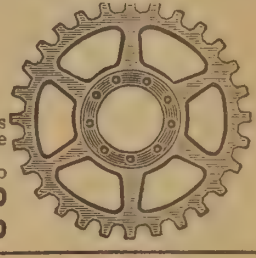
2nd SPEED GEAR for REG. 21 tooth gear. Repl. IHC 15019D.
Stk. No. T-122—Wt. 3 lbs. **$4.25**

2nd SPEED GEAR for F-20. 20 tooth gear. Repl. IHC. 20699D.
Stk. No. T-153—Wt. 3 lbs. **$3.35**

3rd SPEED GEAR for F-20. 22 tooth gear. Repl. IHC 20700D.
Stk. No. T-154—Wt. 3 lbs. **$4.45**

4th SPEED GEAR for F-20. 24 tooth gear. Repl. IHC 20701D.
Stk. No. T-155—Wt. 4 lbs. **$4.45**

28 Tooth SPEED SPROCKETS Deere "D", CASE "L"



Do more work, faster, with less fuel.
Specially recommended for older tractors converted to rubber tires. Sprockets are fully machined to fit perfectly.
For Deere "D" 1925-33. Ser. Nos. 30400 to 123099.
Stk. No. 4A95—Wt. 50 lbs. ..... Pair **$19.50**
For Case "L" 1928-37
Stk. No. 14A23—Wt. 50 lbs. **Per Pair** **$19.50**

DRIVE CHAIN for Deere "D", Case "L"

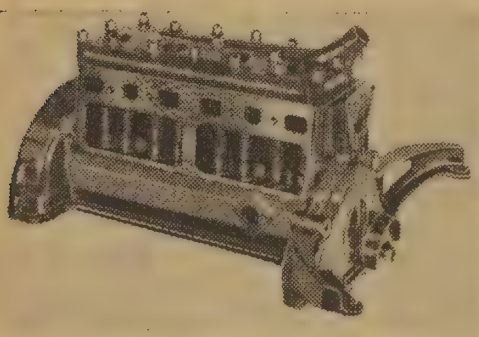
DRIVE CHAIN FOR ABOVE SPROCKETS. 38 link chain including connecting link for Deere "D" 1925-33, or Case "L" 1928-37 using 28 tooth Speed Sprockets. Two used per tractor.
Stk. No. 4A97—Wt. 27 lbs. ..... Each **$26.50**

FOR 38 TOOTH SPROCKETS. 44 link chain including connecting link for original 38 tooth sprockets.
Stk. No. 4A98—Wt. 32 lbs. ..... Each **$27.50**

Order MORE and Save MORE—We Prepay $20.00 Shipments—See Page 3

BRAND NEW FORD Tractor MOTORS

$169.50 EXCHANGE



FITS ALL FORD TRACTORS 1939 to 1948

Complete NEW Block assemblies, including mounting bracket, pistons, rods, bearings, head, crankshaft, oil pump, etc. ALL ASSEMBLED as pictured.

NEW Motor $194.50
Allowance .....$25.00 for return of old motor, complete (see below) in factory shipping crate.

Now you can exchange your old Ford Tractor motor for a brand new one, and restore complete new tractor performance to your hard working Ford Tractor. Motors are Brand New and complete as pictured, but without accessories such as starter, generator, water pump, carburetor, or distributor.

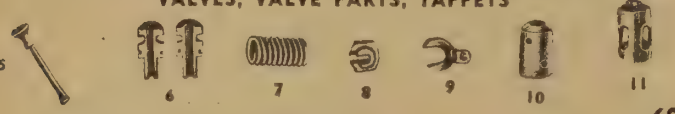
HOW TO ORDER: Send your order to nearest branch, along with your remittance for full sale price of $194.50. New motor will be shipped to you in heavy wood factory crate. Remove your old motor from tractor and strip of accessories. Then pack old motor in wood crate and return to your nearest TRACTOR SUPPLY Store freight prepaid. If old motor is returned complete (same parts and accessories as the new one) you will receive $25.00 refund promptly. Take advantage of this convenient and economical way to put a BRAND NEW FORD MOTOR in your tractor.

Picture	Description of part, Ford part number replaced. Figure in Parenthesis ( ) shows quantity needed	Stk. No.	lbs. -oz.	Price Each

PISTONS, RINGS, SLEEVES

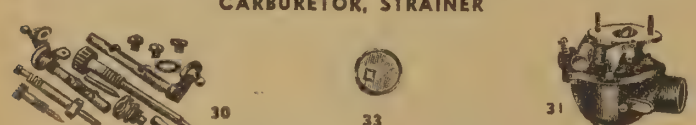
1	Ring Set, 1 piece factory duplicate, Std. size, Set of 8 comp. and 4 oil	R-56	2-	$2.19
2	Ring Set, steel segment oil rings to stop oil pumpers. Set of 8 comp. 4 oil	R-156	2-	3.65
3	Pistons, improved 4 ring type, with pins and rings. Set of 4, Standard size	16A10	8-	11.75
4	Sleeve and piston Set with pins, rings. Orig. type thin sleeves, 4 ring pist	S-110	12-	20.95
	Sleeve and piston Set with pins, rings. Thick wall sleeves, block must be bored out to 3⅜" to install	S-109	14-	22.95
	Piston Pin, 99A-6135A, Std. (4)	16A11	-6	.35

VALVES, VALVE PARTS, TAPPETS



5	Superchrome Exhaust valve, 9N-6505, (4)	SV-57	-6	.69
5	Precision Intake valve, 40-6505, (4)	V-58	-6	.59
6	Valve Guide, two halves, 40-6510B (8)	V-157	-5	.29
7	Valve Spring, 2N-6513 (8)	V-257	-4	.15
8	Valve Key, 40-6514 (8)	V-357	-1	.08
9	Valve Guide Retainer, 40-6512 (8)	V-358	-1	.05
	Valve SET, 4 exhaust and 4 intake valves, 8 guides, springs, keys, complete	VX1057	4-	8.25
10	Tappet, orig. non-adjustable, 91A-6500 (8)	16A7	-2	.39
11	Tappet, improved steel adjustable type (8)	16A8	-3	.79

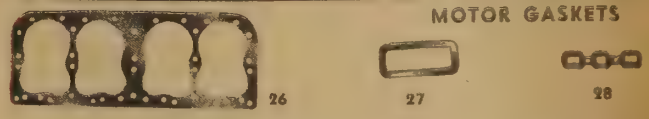
CARBURETOR, STRAINER



30	Carb. Repair Kit, incl. throttle shaft, choke, float, jets, and nozzles to rebuild carb	C-91	1-	2.65
31	New Schebler Carburetor comp., 9N-9510A	C650	6-	11.95
	Rebuilt Schebler Carburetor	C750	6-	9.95
	$2.00 allowance for return of old carburetor			
	Fuel Strainer Gasket, 9N-9160 (1)	9A38	-1	.04
	Strainer Screen, round hole, '39-43	16A28	-1	.20
33	Strainer Screen, square hole, '43 and up	16A29	-1	.40

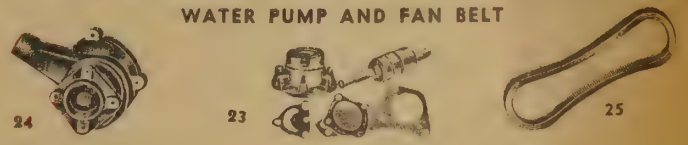
Picture	Description of part, Ford part number replaced. Figure in Parenthesis ( ) shows quantity needed	Stk. No.	lbs. -oz.	Price Each

MOTOR GASKETS



26	Cylinder Head Gasket, 8N-6051 (1)	GH-31	1-2	.83
27	Valve Cover Gasket, set of 2, 9N-6521	G-316	-8	.13
28	Int.-Exh. man. gasket, set of 2, 9N-9448	G-315	-4	.09
	Oil pan 6 pc. gasket set complete	G-310	-8	.49

WATER PUMP AND FAN BELT



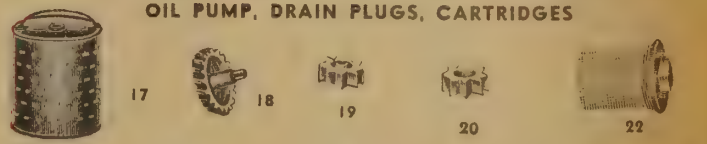
23	Water pump repair kit '39-47, contains new water tight impeller and seal unit, shaft and brg. assy. and gaskets	7A1	1-	3.45
24	Water pump complete, '39-47, 2N-8501	7A71	7-	7.95
	Thermostat, 9N 8575A (1)	7A61	-8	1.29
25	Fan Belt, '39-42 9N-8620A	B-37	1-	.69
25	Fan Belt, '42-49, 9N 8620B	B-38	1-	.85

CRANKSHAFT, RODS, BEARINGS

Rod and Main Bearings as listed include two halves, for 1 journal

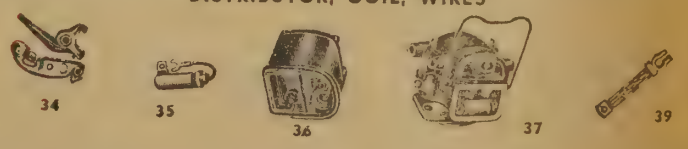
12	Rod Bearing, Standard, 9N-6211A (4)	K-301	-8	.75
12	Rod Bearing, .002 Under, 9N-6211C (4)	K301X	-8	.90
12	Front or rear Main Brg. Std. 9N-6333A (2)	K302	-8	.90
12	Front or rear Main Brg. .002, 9N-6333C (2)	K302X	-8	.95
12	Center Main Brg. Std. 9N-6331A (1)	K303	1-	1.75
12	Center Main Brg. .002 9N-6331C (1)	K303X	1-	1.95
13	Connecting Rod, New, complete with insert bearing, cap, nuts	16A15	3-	4.50
14	Crankshaft, New, standard, comp. with all new rod and main bearings	16A16	50-	37.50
	$5.00 trade in allowance for old shaft returned prepaid			
15	Crankshaft Timing Gear, 48-6306A (1)	16A61	2-	1.35
16	Camshaft Gear, aluminum, '41-49, 91A-6256A	16A62	2-	2.95

OIL PUMP, DRAIN PLUGS, CARTRIDGES



17	Oil Filter Cartridge, Precision, 9N 18662	L-106	1-	.69
	Carton of 6 $3.75—Case of 24 only $13.50			
18	Oil pump gear & shaft 9N 6608 (1)	16A21	1-	3.95
19	Oil pump driven gear, 52-6610B (1)	16A22	-6	.95
20	Oil pump driver gear, 52-6614B (1)	16A23	-6	.95
22	Oil drain plug and screen assy., 9N-6730 (1)	16A25	1-	1.40

DISTRIBUTOR, COIL, WIRES

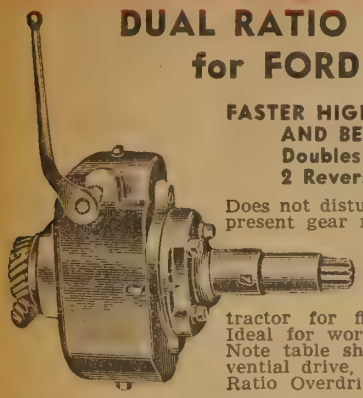


34	Dist. Point Set complete with arms for all Ford tractors, 9N-18354 SET	16A2	-4	.55
35	Condenser, 91A 12300 (1)	16A3	-2	.49
36	Coil Assembly, 9N-12024 (1)	16A18	3-	5.50
37	New Distributor assy., less coil, 9N-12100	16A19	5-	19.75
	$5.00 allowance for return of old distributor complete			
	Spark Plug Wire set, all 4 cyls. Set	W-131	1-	.85
	Champion Spark Plugs, 14 mm., set of 4	SP-42	1-	2.76
	Precision Spark Plugs, 14 mm. set of 4	SP-7	1-	1.40
39	Battery Ground Strap, 9N-14301	16A4	1-	.59
	Cable, battery to switch (20") 9N-14300	16A5	1-	1.25
	Cable, switch to starter (13") 9N-14431B	16A6	1-	.85

Parts listed above are replacement parts guaranteed to fit perfectly and operate satisfactorily in Ford tractors, but are NOT offered as products of the Ford Motor Co. or its affiliates. Part numbers used are for purpose of showing interchange and replacement.

Regardless of Size, All Mail Orders Are Shipped Within Six Hours

DUAL RATIO TRANSMISSION for FORD TRACTORS



FASTER HIGHWAY, FIELD, POWER TAKEOFF AND BELT SPEEDS AT LOW R.P.M.
Doubles Speed Range—6 Forward, 2 Reverse, 2 Belt, 2 Power Takeoff

Does not disturb present gears. You retain your present gear ratios and speeds, but add a complete duplicate set of higher speeds. Unit is complete, transfer case added between clutch and transmission to increase the speed and versatility of your tractor for field work and highway hauling. Ideal for work with power takeoff implements. Note table showing ground speed, regular convential drive, and the speed increase when Dual Ratio Overdrive is installed.

1st speed,	1500 rpm.	Regular	**2.5 mph.**	Overdrive	3.6 mph.
2nd speed,	2000 rpm.	Regular	**4.2 mph.**	Overdrive	6.1 mph.
3rd speed,	2000 rpm.	Regular	**9.8 mph.**	Overdrive	14.1 mph.
Reverse,	1500 rpm.	Regular	**2.6 mph.**	Overdrive	3.8 mph.
Belt Pulley,	1500	Regular	**545 rpm.**	Overdrive	785 rpm.
Power Takeoff,	1500	Regular	**1018 rpm.**	Overdrive	1460 rpm.

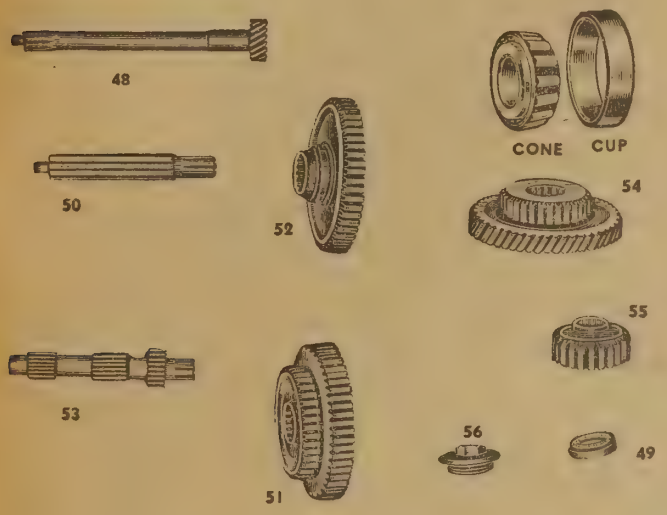
FOR ALL FORD TRACTORS 1944-48 — **$67.50**
1944-48 models, Serial No. 140775 and up, with helical trans. gear. **Stk. No. 8A105.** Complete

For 1939-44 FORD TRACTORS

Early models, serial numbers before 140774, used spur gears in the transmission. You can use the Dual-Ratio transmission Stk. No. 8A105 but you must change the ring gear in your transmission to the new helical cut type. See gear listed separately below.
Ring gear 2N-7113, Helical Cut. Stk. No. 8A106. Each.....$11.95

Pic-ture	Description of part, Ford part number replaced. Figure in Parenthesis ( ) shows quantity needed	Stk. No.	lbs. -oz.	Price Each

TRANSMISSION PARTS FOR 1939-47



48	Trans. Main Drive gear and shaft, late type helical gear, 2N-7017A	16A30	8-	**18.65**
	Brg. Cone for above, 9N-7066	25877	1-	2.35
	Brg. Cup for above, 9N-7067	25820	1-	1.59
49	Trans. main dr. shaft oil seal, 78-7052	16A31	-6	.65
50	Trans. Main Shaft, 9N-7061 (1)	16A32	8-	15.50
	Pilot brg. Cone for above, 9N-7120	1350	-8	1.69
	Rear brg. Cone for above, 9N-7066	25877	1-	2.35
	Rear brg. Cup for above, 9N-7067	25820	1-	1.59
51	High-Low Sliding Gear, 9N-7100	16A33	15-	24.65
52	2nd-Reverse Sliding Gear, 9N-7101	16A34	9-	15.75
53	Trans. Countershaft, 9N-7111	16A35	9-	22.50
	Brg. Cone, F&R above, 9N-7066 (2)	25877	1-	2.35
	Brg. Cup, F&R above, 9N-7067 (2)	25820	1-	1.59
54	Countershaft Gear, helical type, 2N-7113A	8A106	5-	11.95
	Bearing, PTO shaft & shifter, 9N-715 (2)	7206	1-	2.25
	Brg. Cone, PTO gears, shaft, 9N-743 (3)	14138	1-	1.69
	Brg. Cup, PTO gears, shaft, 9N-744 (3)	14274	-8	.65
55	Reverse Idler Gear and bushing, 9N-7141 (1)	16A36	2-	6.15
56	Trans. Drain Plug, 2½", 2N-7010 (2)	16A37	-8	.55

Parts listed above are replacement parts guaranteed to fit perfectly and operate satisfactorily in Ford tractors, but are NOT offered as products of the Ford Motor Co. or its affiliates. Part numbers used are for purpose of showing interchange and replacement.

Pic-ture	Description of part, Ford part number replaced. Figure in Parenthesis ( ) shows quantity needed	Stk. No.	lbs. -oz.	Price Each

FRONT WHEELS, STEERING, SPINDLES

	Front Wheel Bearing SET, inner & outer cones and cups, complete for either front wheel	BS-399	2-	**3.59**
	Brg. Cone, front wheel inner, B-1201 (2)	15118	-8	1.75
	Brg. Cup, front wheel inner, B-1202 (2)	15250	-5	1.10
	Brg. Cone, front wheel outer, B-1216 (2)	09074	-5	1.10
	Brg. Cup, front wheel outer, B-1217 (2)	09194	-4	.45
69	Front hub dust cap, 9N--1190B (2)	16A39	-4	.95
70	Spindle Ball joint (tie rod end) 11A-3289 (2)	16A9	-8	.98
71	Bushing, front spindle, 2N-3109 (4)	16A40	-4	.35
	Bearing, front axle spindle, 9N-3123A (2)	16A55	-8	.95
	Brg. rollers, steer gear shaft, 68-3571 (2)	16A56	-6	.85
	Brg. Cup, steer gear shaft, B-3552 (2)	16A57	-4	.75
	Brg. inner race for above, 9N-3572 (2)	16A58	-8	1.15

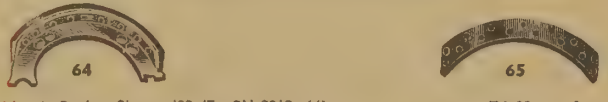
CLUTCH

45	Clutch disc with facings, 91A-7550 (1)	W-95	3-	**3.65**
46	Clutch pressure plate, 09A-7563, Exchange	16A12	6-	5.95
	Clutch Release Bearing, 78-7580 (1)	16A13	2-	2.65
	Clutch Pilot Bearing, B-7600A (1)	7203	1-	1.45

FINAL DRIVE, DIFFERENTIAL, REAR AXLE

57	Final drive shaft and 6 tooth pinion, 79-4609	16A41	8-	
58	Rear Axle Drive Gear, 40 teeth, 79-4210A	16A42	15-	
	Above two gears same as originals, 6.66 to 1, sold together only			$29.95
59	Final drive shaft and 7 tooth pinion	16A43	9-	
60	Rear Axle Drive Gear, 36 tooth	16A44	13-	
	Above two gears increase all speeds about 30%, sold together only			$29.95
61	Differential Pinion Gear, 91T-4215 (4)	16A45	3-	1.45
62	Differential Bevel Gear, 91T-4236 (2)	16A46	7-	5.95
	Gasket, diff. to trans. case, 9N-4662 (1)	G-317	-4	.25
	Gasket, center hsg. to axle, 2N-4035, set of 4	G-318	-6	.60
	Gasket, axle hsg. brg. retainer, 9N-4130B	G-319	-1	.07
	Brg. Cone, Rear wheel outer, 9N-4221 (2)	3775	1-8	3.75
	Brg. Cup, Rear wheel outer, 9N-4222 (2)	3720	1-	1.85
	Brg. Cone, diff. end of axle, BB-4221B (2)	3984	2-	3.75
	Brg. Cup, diff. end of axle, BB-4222 (2)	3920	1-	2.85
63	Oil Seal, rear axle outer brg., 9N-4251	16A38	1-	1.65

BRAKE SHOES, LININGS



64	Lined Brake Shoe, '39-47, 9N-2019 (4)	7A43	2-	**2.95**
65	Brake Lining Set of 4 pcs. complete	16A50	2-	3.95

STARTER—GENERATOR

42	Rebuilt starter motor and drive, '39-47	M-470	15-	**18.95**
	$7.00 allowance for return of old starter complete			
43	Rebuilt Generator assy., 8N-10000	M-401	10-	15.95
	$4.00 allowance for return of old generator complete			
44	Gen. Cutout Regulator, 9N-10505B, '39-47	16A1	-8	.98

STEP PLATES

Heavy steel plates, complete with brackets to attach. Fit tractor without machining or drilling. Provide a firm stand for operating tractor from standing position.
Sold in Pairs.
Stk. No. 16A51.
22 lbs. PAIR **$6.45**

Install Precision PISTON RINGS

Choice of ONE PIECE Original Equipment Type, or SEGMENT Rings for Control of Bad Oil Pumpers

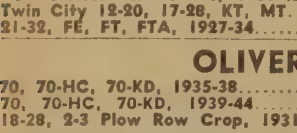
One Piece Rings are factory duplicate type, recommended where wall taper is less than .010".

Precision Segment Rings are high tension type, with steel segment to control oil consumption in severe cases of wear and taper.

Packed in Complete Sets to service whole motor.

RINGS TO FIT ALL MODELS Make and Model	Cyl. Dia.	Rings Per Set	Steel Segment Rings Per Set		1-piece Rings Orig. Equip. Type Per Set	
ALLIS CHALMERS						
B, 1938-41; also Power Unit B-15	3¼"	12	R-171	$3.65	R-71	$1.85
C, RC, 1940-47	3⅜"	16	R-170	3.65	R-70	2.25
WC, W, WF, W-25, 1934-47	4"	16	R-172	4.25	R-72	2.95
20-35, E, K, 1919-46	4¾"	16	R-180	4.95	R-80	3.75
J. I. CASE						
V, VC (Continental) 1939-42	3"	16	R-173	3.95	R-73	2.25
R, RC (Waukesha) combines C, K	3¼"	12	R-171	3.65	R-71	1.85
S, SC, 1940-47	3½"	16	R-154	3.95	R-54	2.25
D, DC 1939-44; C, CC, 4 ring	3⅞"	16	R-185	3.95	R-85	2.65
C, CC 1929-39; combine P	3⅞"	12	R-183	3.65	R-83	1.85
L, LA, 26-40, 1929-41	4⅛"	16	R-184	4.95	R-84	3.75
JOHN DEERE						
B, BN, 1934-39	4¼"	8	x	x	R-68**	1.45
B, BN, BW, 1939-44	4½"	8	x	x	R-69**	1.75
A, AR, AN, AW, 1934-42	5½"	10	x	x	R-67**	2.25
GENERAL PURPOSE, 1929-31	5¾"	10	x	x	R-63**	2.75
D, after Serial No. 53388	6¼"	10	x	x	R-66**	3.85
FORD						
NEW FORD (Ferguson), 1940-47	3⅛"	12	R-156	3.65	R-56	2.19
FORDSON, old style	4"	12	x	x	R-61**	1.95
IHC McCORMICK DEERING						
F-12, F-14, W-12, 1936-39 after Serial No. FS80064	3"	20	R-175	4.65	R-75	2.85
F-12, W-12, 1933-36	3"	20	R-174	4.65	R-74	2.85
Farmall A, AV, B, 1940-44	3"	16	R-173	3.95	R-73	2.25
Farmall "H"; W-4, Combine 122	3⅜"	16	R-193	3.95	R-93	2.65
FARMALL Reg. and F-20; T-20	3¼"	16	R-176	3.95	R-76	2.65
FARMALL "M"; T-6, W-6	3⅞"	16	R-194	4.25	R-94	2.85
F-30, W-30 (⅜" wide rings)	4¼"	16	R-177	4.25	R-77	2.85
10-20, F-30, W-30 (¼" wide rings)	4¼"	16	R-178	4.25	R-78	2.85
W-9, T-9, 1941-42	4.4..	16	x	x	R-96	2.85
15-30, 1921-28, before No. TG99925	4½"	16	R-179	4.85	R-79	3.25
22-36, 15-30, 1929-35	4¾"	16	R-180	4.95	R-80	3.75
MASSEY-HARRIS WALLIS						
12-20, Certified 12-20, 1930-35	3⅞"	12	R-183	3.65	R-83	1.85
Pacemaker, Challenger, 1936-41	3⅞"	16	x	x	R-57	2.25
20-30, Certified 20-30, 3 ring	4⅛"	12	R-159	3.95	R-59	2.25
Late 20-30, 25, 26-41, 4 ring pistons	4⅛"	16	x	x	R-58	3.25
Minneapolis Moline TWIN CITY						
"J" series; "Z" series, 1935-42	3⅝"	16	R-195	3.95	R-95	2.25
Twin City 12-20, 17-28, KT, MT	4¼"	16	R-178	4.25	R-79	2.85
21-32, FE, FT, FTA, 1927-34	4½"	16	R-179	4.85	R-78	3.25
OLIVER HART-PARR						
70, 70-HC, 70-KD, 1935-38	3⅛"	24	R-187	4.95	R-87	2.95
70, 70-HC, 70-KD, 1939-44	3⅛"	24	R-153	4.95	R-53	3.45
18-28, 2-3 Plow Row Crop, 1931-37	4⅛"	16	R-188	4.25	R-88	2.55

NOTICE: When ordering Stk. Nos. marked (**) be sure to tell if block is rebored and oversize rings required. Ship. Wt 2 lbs.



FUEL STRAINER PARTS

Exact duplicates of 1925-39 IHC. Same as used on most other makes.

GLASS BOWL only.
Stk. No. 9A37. 6 oz. Each, **10c**

BOWL GASKET only.
Stk. No. 9A38. 1 oz. Each, **4c**

Strainer SCREEN	Shutoff VALVE	Ball & Nut Assy.
No. 9A59—1 oz.	No. C139—4 oz.	No. 9A36—3 oz.
11c	25c	12c

SKINNER GASOLINE PURIFIER

Strains Fuel—Lasts life of Engine. Water, dirt and sediment get no farther. **Guaranteed to eliminate harmful impurities from the fuel supply.** A new idea in filtration. A cartridge which contains 5000 mesh per inch through which all gasoline must pass. Gas will penetrate but dirt and water will not. Easy to disassemble for cleaning.
Stk. No. 19A61. Complete with ⅛" P.T. fitting. Ship. wt., 1 lb. Each **$1.49**

THE RIGHT TOOLS MAKE RING INSTALLATION EASY

PISTON RING COMPRESSOR

Tightens 4 rings at once. Handles piston sizes 2.6 to 4⅛ in. Simplifies the task of replacing piston in cylinder after ring change. A "must have" at our low price.
Stk. No. 19A12.
Shipping weight ½ lb. Each **59c**

RING GROOVE CLEANER

Hardened steel cutter. Handles pistons up to 5½" with ⅛", ⅛", or ¼" grooves
Stk. No. 19A11.
1¼ lbs. Each **$1.19**

RIDGE REAMER

For reconditioning cylinder walls. Removes ridge, and corrects tapered, out-of-round cylinder walls. Eliminates costly ring breakage and "ring click." 3 tool steel cutting blades. Self-centering for positive action.

SMALL SIZE

For cylinders 2⅝" to 4" diameter. Fits most cars, small tracks and light tractors.
Stk. No. 19A35—Wt. 3 lbs. Ea. **$3.85**

LARGE SIZE

For cylinders 3¾" to 5¼" diameter. Fits most tractors, trucks, power units, etc.
Stk. No. 19A34—Wt. 4 lbs. Ea. **$4.75**

FEELER GUAGE & RULER

Indispensible when doing close tolerance work. 9 feeler gauges in thicknesses of 2, 3, 5, 11, 12, 13, 14, 15, and 16/1000 of an inch. 2 in. ruler calibrated in 32nds of inch.
Stk. No. 19A64—Wt. 6 oz. Ea. **39c**

VALVE GRINDER

Inexpensive and efficient grinder that has both reciprocating and progressive action. Complete with bit, vacuum cup, and spring for all types of valve heads. Movement constantly changes insuring an even grind and fast smooth seating of old or new valves.
Stk. No. 19A9—Wt. 2 lbs. Ea. **$1.89**

VALVE GUIDE CLEANER

Cleans those hard to reach places. Scrapes gum and carbon from bore of valve guides on tractors, cars, and trucks. Adjustable for ⅛ to ¾" inside diameter.
Stk. No. 3E71—Wt. 1 lb. Ea. **49c**

GRINDING COMPOUND

High speed, water mixed abrasive that will grind the new super-hard valves to seat to perfection in cast iron blocks. For hand and machine grinding.
Stk. No. 20A51—1½ Oz. can Ea. **33c**

VALVE & RING OIL

Add to crankcase oil. Will dissolve the carbon-gum formations that cause valve and piston to stick. Film strength of 30,000 lbs. Ideal for use in all new and rebuilt motors during breaking-in period.
Stk. No. 20A49—1 pt. can Ea. **69c**

MAGNETIC DRAIN PLUGS

PROTECT CRANKCASE & TRANSMISSION

Order two for every tractor, car, and truck—one for the crankcase drain and another for the transmission.
If you know the size plugs you require you can order from the size and stock number chart below. If you do not know the thread sizes you need, SPECIFY MAKE, MODEL, and YEAR of your TRACTOR.

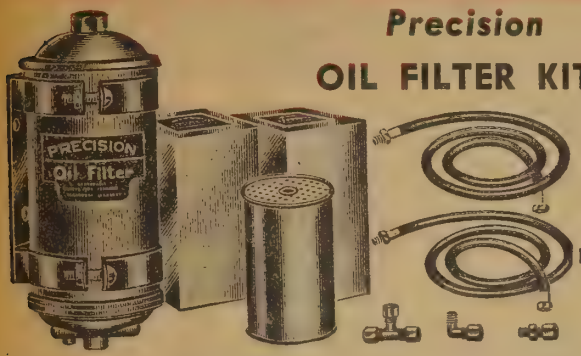
EACH, ANY SIZE
65c

⅜" Pipe Thread	Stk. No. 7A51
½" Pipe Thread	Stk. No. 7A52
¾' Pipe Thread	Stk. No. 7A53
1" Pipe Thread	Stk. No. 7A54
1¼" Pipe Thread	Stk. No. 7A55
⅞" diam. 18 thread	Stk. No. 7A56
2" diam. 12 thread	Stk. No. 7A57
Ford Spl. Crankcase	Stk. No. 7A58

You Can Be Sure of Extra Fast Service When You TELEPHONE or TELEGRAPH

Precision OIL FILTERS—AIR CLEANERS

Precision OIL FILTER KITS



Each Kit Complete With 3 Replacement Cartridges

Superior *Precision* Oil Filters do the job where other filters fail. They are large (11¼" high, 4⅞" in diameter) with the capacity to service the largest tractors. Each has a highly magnetized bar magnet to withdraw all metal particles that pass through. Replaceable filter cartridge is made of wool and cotton, spring loaded to prevent oil from channeling a path. Cartridge is guaranteed to remove dirt, grit, sludge, vapors, and to absorb acids while keeping your oil clean and clear. **For long, trouble-free engine life, install a Precision filter today!**

Universal Type Filter & Kit—Fits Most Tractors

Filter-Kit contains Precision Filter, flexible oil lines, all necessary fittings, and 3 cartridges. (See p.30 for extra cartridges). **$8.95**

Stk. No. 19A100—Wt. 13 lbs. ..... **Filter-Kit**

For Case Tractors: C, CC, D, DC, L, S, SC, VC

The same High Quality Precision Filter-Kit as described above, but with special bracket and fitting kit for installation on Case tractors. Kit complete with 3 cartridges as above. **$10.95**

Stk. No. 19A103—Wt. 15 lbs. ..... **Filter-Kit**

Power-Takeoff Spline ADAPTOR

- **Converts 1-⅛" P.T.O. Shaft to 1-⅜" Unit.**
- **Easy to Install—Easy to Remove.**

Nearly all the new attachments for your tractor are supplied with 1⅜" couplings, and if your P.T.O. is 1⅛" size this adapter is just what you need. Slips right over regular shaft and tightens with set screw. Fits all tractors except Ford. **$3.35**

Stk. No. T-350—Wt. 1 lb. ..... **Ea.**

FOR FORD & FORD-FERGUSON TRACTORS

Same as above, but made specially to fit Ford P.T.O. shafts. **$3.35**

Stk. No. T-351—Wt. 1 lb. ..... **Ea.**

FAN SHAFT for FARMALL Regular and F-20; IHC 10-20

Hardened and ground shaft, repl. IHC 10385D. **Stk. No. T-315.** 1½ lbs. Each.... **$1.75**

FAN SHAFT ROLLER BEARINGS for Regular, F-20, 10-20, 15-30

Two used on fan shaft. Repl. IHC 10329D. Roller assembly complete with outer sleeve. **Stk. No. 19102.** 8 oz. **EACH**..... **95c**

BELT PULLEY COVER PLATE for IHC Farmall Regular and F-20

Iron casting, machined to exact size and with holes drilled to fit, covers the belt pulley shaft housing and **protects the bearings and holds in the grease when the pulley is removed.** **$1.19**

Stk. No. 9A74. 2 lbs. Each.....

Steering UNIVERSAL JOINT for WC, RC

Fits All Allis Chalmers Tractors models W, WC, and RC, replaces Allis Chalmers part number U-2152. Drop forged heavy duty. Lubricated with grease fitting. **Stk. No. 7A90.** Ship. wt. 4 lbs. Each **$3.35**

REAR HUB BOLTS FOR FARMALL

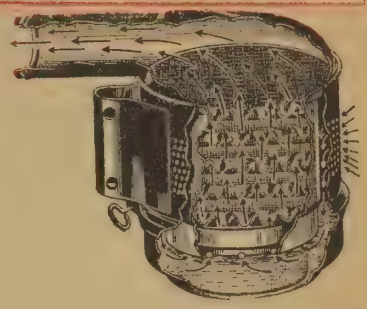
Fits Farmall and F-20, repl. IHC 15365DAX. **19c**

Stk. No. 8A56. 12 oz. Each.....

Precision AIR CLEANERS

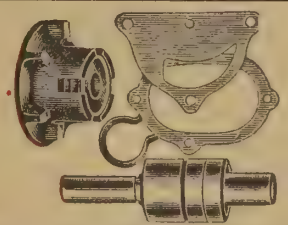
SAFEGUARDS Your Equipment

Cleans the Air Your Engine BREATHES



Your engines breathe a tremendous amount of air when they are running—air that contains dust particles that score engine walls—grind away bearings . . . and gum valves. Here is an air cleaner that is guaranteed to protect your engines from the destruction of dust particles . . . priced so low you can put one on all your farm machines. Cleaner is 10½" high with 8" diameter. 2½" outlet connects carburetor intake. Easy to mount: If no convenient place under the hood is available an extension pipe up to 5 ft. long may be employed. Cleaner is a maze of baffel screens that, with oil reservoir, stops and retains all dust and dirt. Can be taken apart easily for cleaning and refilling. Check Precision AIR CLEANER after just one weeks' use on your tractor engine. You'll be amazed to see how much dust and dirt did NOT get in to cause excessive engine wear. **$3.95**

Stk. No. X100—Wt. 12 lbs. ..... **Each**



WATER PUMP REPAIR KITS

Each Kit contains a new pump shaft with New Departure bearing assembled, a new impeller with aqua-tite seal, gaskets, and miscellaneous small parts necessary to do a first class job of rebuilding your worn and leaky pump to first class condition.

For FORD-FERGUSON All 1939-45 models with pump No. 9N-8501. **Stk. No. 7A1.** Ship. wt. 2½ lbs..... **$3.45**

COMPLETE WATER PUMP for FORD—Brand New, repl. Ford part 9N-8501. **Stk. No. 7A71**—7 lbs..... **$7.95**

For ALLIS CHALMERS WC, with late type pump as used 1941 and after or on earlier models with field change. For A-C pump 210758. **Stk. No. 7A2.** Ship wt. 3 lbs..... **$5.50**

For ALLIS CHALMERS B, RC, 1938-42 with pump No. 207504. **Stk. No. 7A3.** Ship. wt. 2½ lbs..... **$5.50**

For J. I. CASE models S and SC with Case pump No. 2540-AA. **Stk. No. 7A4.** Ship. wt. 2½ lbs..... **$6.50**

Water Tank & Hand Hole Cover

For All Older IHC Models

Complete Set of 4 pieces. Stk. No. 13A9. 1½ lbs. Set..... **79c**

Cover only, No. 13A10.....Each, **35c**
Gasket only, No. 13A11.....Each, **13c**
Bolt only, No. 13A12.....Each, **23c**
Bar only, No. 13A13.....Each, **23c**

WHEEL WEIGHTS

Grey Iron Castings, 300 pounds per pair, for additional weight on your rear wheels. Order weights by stock number for your model, and a set of bolts from bolt listing according to type and spoke width. **Shipped FREIGHT COLLECT, Not Prepaid, from factory in Sioux City, Iowa.**

For **DEERE** and others with hub diam. 12" or less. **Stk.No.49A70.** Pair..... **$33.95**

For **Allis Chalmers WC; Case CC, DC, RC, L; Ford Ferguson; IHC F12, F20, F30, W30, 10-20; M-H Challenger; M-M KTA, MT, JTU; Oliver 70, 80. Stk.No.49A71.** Pair..... **$33.95**

For **IHC H, M. Stk.No.49A72.** Pair..... **$33.95**

SET of MOUNTING BOLTS for ABOVE.
Straight bolts for disc wheels. Stk.No.49A73.....79c
J Bolts for 1½" to 2½" spokes. Stk.No.49A74.....$2.75
J Bolts for spokes to 1½" wide. Stk.No.49A75.....$2.75

TRACTOR TIRE CHAINS??

No, Tractor Tire Chains are not listed in this Catalog. But each of our Farm Warehouse Stores carry a complete stock of Heavy Duty Cross Link Chains to fit your make and model of tractor.

Speed-up TRANSMISSIONS for I. H. C.

HEISLER OVERDRIVE for Farmall Reg. F-20, F-12, F-14, F-30

Complete Dual Speed Range in All Gears—Forward, Reverse, Belt, Power Takeoff

DURABLY CONSTRUCTED—Gears are all alloy steel, heat treated, for maximum life under all conditions; accurately matched for quiet operation. New case attaches to front of transmission housing. New type clutch coupling replaces old style universal joint.

FOR REGULAR AND F-20

Overdrive will not fit on tractors where IHC hydraulic pump has been installed between clutch and transmission, and will not fit on early model Regulars having multiple disc clutch. New clutch shaft is not included in kit since you may shorten your present shaft to fit. If new special shaft is wanted, order shaft and bearing listed below.

Farmall Reg. 1927-31 Stk. No. H-645
Farmall F-20, 1932-39 Stk. No. H-641 **$86.50**

SPECIAL CLUTCH SHAFT—If your present clutch shaft is worn, install a new one. Shaft is shorter than original, for overdrive transmission.
Stk. No. H-639—5 lbs. ..... Each $5.95

CLUTCH SHAFT BEARING for above shaft.
Stk. No. 1308—2 lbs. ..... Each $3.75

DOUBLES PRESENT SPEEDS—Overdrive transmission has speed ratio of 2.1 to 1—proved most effective for all around work. If your present top speed is 6 mph in regular drive, your top speed in overdrive will be about 12 mph. Speeds increase in proportion for all other gears.

FOR FARMALL F-12 AND F-14

Overdrive unit complete. Tractors with serial numbers before FS-123,942 had 16 tooth drive bevel pinion; tractors after FS-124,000 had 14 tooth pinion. Many F-12's have been field changed. Check your pinion before ordering.

F-12 (16 tooth pinion) Stk. No. H-651
F-14 (14 tooth pinion) Stk. No. 8-655 **$89.95**

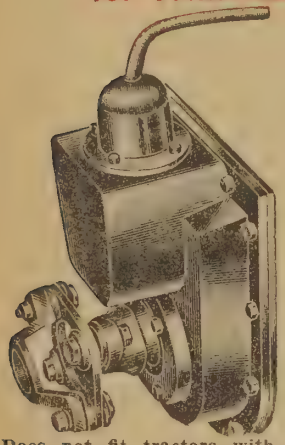
FOR FARMALL F-30

Will fit all F-30's, 1931-39. Overdrive ratio is 2 to 1. Old clutch shaft must be shortened to fit.
Stk. No. H-670 ..... **$96.50**

Attaches like a transfer case between the clutch and original transmission. Auxiliary shifter control gives you choice of your complete original speed range in all gears, or a full new range of higher speeds in all gears.

HIGH SPEED ROAD GEAR

for FARMALL F-20 and REGULAR



And an Extra Gear for Fast Highway transport use on your Regular or F-20 IHC Farmall. This new gear assembly does not replace or change your present speeds, but adds a new high speed —5th on F-20's and 4th on Regulars— for fast highway travel.

DOUBLES PRESENT HIGH

Gear ratio provides a top speed of slightly over 2 to 1 against present high, depending on tire size, condition of tractor, etc. Tractor has plenty of power to start and pickup smoothly, and pull a loaded wagon down the highway.

EASILY INSTALLED

Road Gear attachment is complete. Cast iron case bolts directly to transmission case without drilling or machining. Gears are hardened for long wear, run quietly. Custom design insures easy assembly in about 2½ hours. All parts are included—case, gears, oil seals, shifter unit, gaskets, transmission coupling, and instructions.

Does not fit tractors with "M" type hydraulic Pump.
For All Farmall REGULARS, 1924-31 ..... Stk. No. 8A101
For All Farmall F-20's, 1932-39 ..... Stk. No. 8A100 **$49.95**

IMMEDIATE DELIVERY—SHIPPED PREPAID

Special bracket for mounting IHC M pump so above Road Gear can be installed. Stock No. 8A99 ..... **$13.95**

SPEED CHANGE GEARS

for FARMALL "H" 1942-49

FILLS GAP IN PRESENT SPEED RANGE

The standard transmission on IHC Farmall H tractors leaves a gap in the speed range between fourth gear and the high speed fifth gear. By installing this field change improvement package you can spread your choice of operating speeds to fill in the gap and give your tractor an intermediate high speed for fast cultivating, hauling heavy loads, and similar jobs that are too tough for your high speed road gear.

First and second speeds remain exactly as they are now. Third gear, now rated at 4.4 mph. is increased to 5.1 mph. Fourth gear, now rated at 5.5 mph. is increased to 8.8 mph. Fifth gear remains unchanged for road travel.

Complete assembly contains 3 gears, made of top analysis gear steel, accurately ground and machined for extreme service. Your present 2nd-3rd speed sliding gear on spline shaft, 4th-5th speed sliding gear on spline shaft, and 3rd-4th speed gear on countershaft which give you 5 speeds but with a change of ratio described above.

UNIT COMPLETE WITH FULL INSTRUCTIONS FOR INSTALLING are all removed. In place of them you install the 3 new gears furnished

Stk. No. H660—Ship. wt. 35 lbs. **$34.95**

GENERATORS — STARTERS

FACTORY REBUILT EXCHANGE

Complete factory rebuilt generator and starter assemblies, guaranteed to give new service on your tractor. Each unit has been disassembled and rebuilt, not just repaired.

Generators are complete with brackets and pulley. Starters are complete with Bendix drive. To secure trade-in allowance, your old unit must be sent in COMPLETE with all parts, in condition suitable for rebuilding, within 10 days. Send full "Outright" price when ordering.

Fits Tractor	Stk. No.	Outright Sale	Trade In	Net, Exch.
STARTER MOTORS				
Farmall Starter H-444 listed above	M-465	$19.95	$5.00	$14.95
Ford, All 1939-47	M-470	18.95	7.00	11.95
IHC H or M, 1939-47	M-466	19.95	7.00	12.95
Allis Chalmers WC, RC	M-468	19.95	7.00	12.95
Oliver 70, 1941-47	M-467	19.95	7.00	12.95
GENERATORS				
IHC H, M, A, B	M-402	$19.95	$5.00	$14.95
Deere A or B	M-403	19.95	5.00	14.95
Allis Chalmers WC, RC	M-402	19.95	5.00	14.95
Oliver 70	M-403	19.95	5.00	14.95
Ford, 1939-47, Heavy duty type	M-401	15.95	4.00	11.95
Replacement Generator for our own Light Set Attachments, complete with ammeter panel 1926-31	M-410	$11.95	$2.00	$ 9.95

STARTER for IHC FARMALL

Regular & F-20, 1926-39

Why put up with the inconvenience and dangers of hand cranking your tractor when you can install an up-to-date electric starter for so little cost to you? Just imagine—sitting in your tractor, pressing a button and the engine starts! The hard work and dangers of a cranking are gone forever—like having a new tractor. FITS ALL F-20 FARMALL 1932-39, and all FARMALL REGULAR.

COMPLETE ELECTRIC STARTER UNIT

The unit assembly consists of a new flywheel casting with flange for attaching starter, a complete new ring gear for attaching to the flywheel, and a factory rebuilt starter motor complete with starter drive and pinion gear. If your Farmall is equipped with lights and generator, all you will need is a few feet of cable and a starter switch.

EASY TO INSTALL—ONE MACHINING OPERATION

The average installation time is about four hours. All the work can be done on the farm without special tools—except the cutting down of the old flywheel and the press fitting of the new ring gear. This job requires the services of a skilled machinist and the flywheel must be taken to a competent shop. This fit usually takes about one hour and the charge should not exceed $7.00.

DETAILED INSTALLATION INSTRUCTIONS INCLUDED

Complete instructions covering all points of installation are included with each unit. Users report how pleased they were with the simplicity of mounting this starter unit on their tractor. A large 2-jaw puller and heavy jack, plus a few ordinary wrenches are all the tools needed to do the job.

Stk. No. H-444—ELECTRIC STARTER UNIT consisting of housing casting, ring gear for flywheel, rebuilt starter and drive assembly. Ship. wt. 125 lbs. ..... Each **$51.50**

Order MORE and Save MORE—We Prepay $20.00 Shipments—See Page 3

BRAND NEW GUARANTEED

BEARINGS

COMPLETE SETS AS LOW AS $3.59

SETS COMPLETE WITH FELTS and RETAINERS

PRECISION BRAND Bearing are of the highest quality in every respect. *And in passing exceptional savings on to you, we guarantee that quality of materials and excellence of workmanship have not been sacrifice in any way.*

PRECISION BRAND Bearings are made of the finest bearing steel, carefully selected to established specifications for withstanding the strenuous conditions of farm service.

PRECISION BRAND Bearings are machined to the rigid S.A.E. bearing standards—exact to the fractional thousandths—and are fully interchangeable with the same bearing number of other reputable manufacturers.

FRONT WHEEL BEARINGS

FITS TRACTOR & MODEL	INNER BEARING CONE Bearing	INNER BEARING CONE Ea.	INNER BEARING CUP Bearing	INNER BEARING CUP Ea.	OUTER BEARING CONE Bearing	OUTER BEARING CONE Ea.	OUTER BEARING CUP Bearing	OUTER BEARING CUP Ea.
IHC Farmall F-12, F-14	2788	$2.35	2720	$1.49	1779	$1.55	1729	$ .98
IHC Farmall Reg. & F-20, 1927-39	447	3.95	432	2.15	3379	2.95	3320	1.65
IHC Farmall F-30, W-30	438	3.75	432	2.15	3379	2.95	3320	1.65
IHC Farmall "H" 1939-48	14138	1.69	14274	.65	1779	1.55	1729	.98
IHC Farmall "M" 1939-48	342-S	2.59	332	1.15	2878	1.85	2820	1.25
IHC McCormick-Deering 10-20, 1927-35	447	3.95	432	2.15	3379	2.95	3320	1.65
IHC McCormick-Deer. 15-30, 22-36, '27-35	5358	6.25	5320	3.45	447	3.95	432	2.15
DEERE A, D, GP, G (all except 1929)	3383	2.95	3320	1.65	2785	2.45	2720	1.49
DEERE, D, GP (1929 models only)	342	2.59	3320	1.65	14131	1.75	14274	.65
DEERE B, 1935-48	2788	2.35	2720	1.49	15118	1.75	15250	1.10
ALLIS CHALMERS WC, RC	2788	2.35	2720	1.49	15118	1.75	15250	1.10
ALLIS CHALMERS B	15118	1.75	15250	1.10	09074	1.10	09196	.45
CASE C, CC, DC, 1929-48, L 1929-30	358	2.79	354	1.65	14125	1.75	14274	.65
CASE L, LA, 1931-47	3776	3.65	3720	1.85	2580	2.25	2523	1.15
CASE S, SC	02877	1.95	02820	.95	14125	1.75	14274	.65
CASE R, RC	14125	1.75	14274	.65	14125	1.75	14274	.65
OLIVER 70, 1935-36	2788	2.35	2720	1.49	15118	1.75	15250	1.10
OLIVER 70, 1937 and up	26882	2.35	26820	1.65	2879	1.98	2820	1.25
OLIVER 18-28, 80 Row Crop	3578	3.35	3525	1.59	3193	2.65	3120	1.45
OLIVER 28-44, 90, 99	529X	4.59	522	2.95	2786	2.45	2720	1.49
FORD, Ford-Ferguson 1939-47	15118	1.75	15250	1.10	09074	1.10	09194	.45

COMPLETE SET for EITHER FRONT WHEEL — SET INCLUDES 2 Cups, 2 Cones	Stk. No.	Wt. Lbs.	Set
with felt washer	BS-104	2	$5.75
with 3-pc. grease retainer	BS102	5	8.95
with 3-pc. grease retainer	BS-107	5	9.25
with felt washer	BS-108	2	5.19
with felt washer	BS-109	3	6.65
with 3-pc. grease retainer	BS-102	5	8.95
with 3-pc. grease retainer	BS-103	8	13.85
with 2-pc. grease retainer	BS-104	4	7.45
with 2-pc. grease retainer	BS-505	3	6.25
with 2-pc. grease retainer	BS-606	3	5.75
with 3-pc. grease retainer	BS-377	3	5.25
for either wheel	BS-378	2	3.95
with felt washer	BS-1488	3	5.95
with felt washer	BS-1499	4	8.25
for either wheel	BS-1466	3	4.85
with felt washer	BS-1477	2	4.10
with felt washer	BS-606	3	5.75
with felt washer	BS-763	3	6.65
with felt washer	BS-762	4	8.45
with felt washer	BS-761	5	10.35
for either wheel	BS-399	2	3.59

COMPLETE BEARING STOCKS

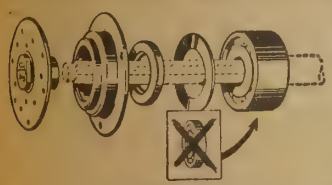
We carry complete stocks of replacement bearings for all makes and models of tractors.

If the particular bearing you need is not listed on this page, Order by Make, Model and Year of tractor you own, with the application of bearing you need.

All orders are filled by accredited PARTS SPECIALISTS to assure your complete satisfaction.

ALL BEARINGS ARE BRAND NEW AND GUARANTEED

IMPROVED COUNTERSHAFT BEARING KITS for IHC Farmall, Reg. & F-20



GUARANTEED FOR THE LIFE OF YOUR TRACTOR

DOUBLE ROW BALL BEARING ASSEMBLY COMPLETE WITH HOUSING & BRAKE HUB

If the countershaft and brake assembly of your IHC Farmall Reg. or F-20 is in need of repair, plan to install this Improved Package Kit that is GUARANTEED to eliminate further trouble for the life of your tractor.

The single row bearing (IHC-12798H) wears down fast due to high speed operations, overloads, etc. This causes rapid deterioration throughout the entire countershaft assembly.
Diagram at left shows the parts and how they fit on the countershaft and the replacement of SINGLE ROW BEARING with IMPROVED DOUBLE ROW BEARING.

COMPLETE BEARING KIT ASSEMBLY for 1 Side Includes: Double Row Ball Bearing, bearing cap housing, spacer, splined brake drum hub, and rivets for attaching brake drum.

Stk. No. BS-407.
Ship. wt. 14 lbs. ..... Kit **$13.95**

ORDER A PAIR TO SERVICE BOTH SIDES ..... Pair $25.95

REAR WHEEL BEARINGS

IHC Farmall Reg. & F-20 1924-39

COMPLETE BEARING SET for either rear wheel. Includes roller assembly and race, double row ball bearing, felt washer.
Set No. BS-112—Ship. wt. 9 lbs. ..... **Set $15.95**
Double Row Rear Axle Ball Bearing. 5104 ..... **Ea. $11.95**
Rear Axle Roller Assembly. RA-3200....$2.65 **Outer Race.** OR-3200....$3.25

IHC Farmall F-12 & F-14 1934-39

Rear Axle Inner Ball Bearing, 1213..$5.95 **Outer Ball Bearing,** 1214 $6.65

IHC Farmall F-30, 1931-39

Rear Axle Large Ball Brg., 1218....$11.50 **Small Ball Brg.,** 1311....$6.95

IHC Farmall "H" 1939-48

Rear Inner Ball Bearing, 1212... $4.95 **Outer Ball Bearing,** 7213....$7.25

IHC Farmall "M" 1939-48

Rear Axle Inner Ball Brg., 1214.....$6.65 **Outer Ball Brg.,** 7214..... $7.95

IHC McCormick-Deering 10-20 1927-35

Rear Wheel Brg. (2 used ea. wheel) Cone, 566.....$6.25 Cup, 563..... $4.35

IHC McCormick-Deering 15-30, 22-36, 1927-35

Rear Wheel Brg. (2 used ea. wheel) Cone, 598.....$7.95 Cup, 592A....$6.50

JOHN DEERE Model "D" 1925-35

Rear Wheel Brg. (2 used ea. wheel) Cone, 575.....$7.75 Cup, 572.....$4.79

JOHN DEERE Model "A" 1940-48

Rear Wheel Brg. (2 used ea. wheel) Cone, 482.....$4.35 Cup, 472A.....$3.45

JOHN DEERE Model "B" 1939-48

Rear Wheel Inner Bearing Cone, 29582.....$3.95 Cup, 29520....$2.75
Rear Wheel Outer Bearing Cone, 29585.....$3.95 Cup, 29520.... 2.75

J. I. CASE C, CC, D, DC

Rear Wheel Bearing (2 used ea. wheel) Cone 567....$6.25 Cup 563....$4.35

J. I. CASE L, LA

Rear Wheel Outer Bearing.....Cone 575.....$7.75 Cup 572.....$4.79
Rear Wheel Inner Bearing.....Cone 580.....$7.75 Cup 572.....$4.79

ALLIS CHALMERS, WC

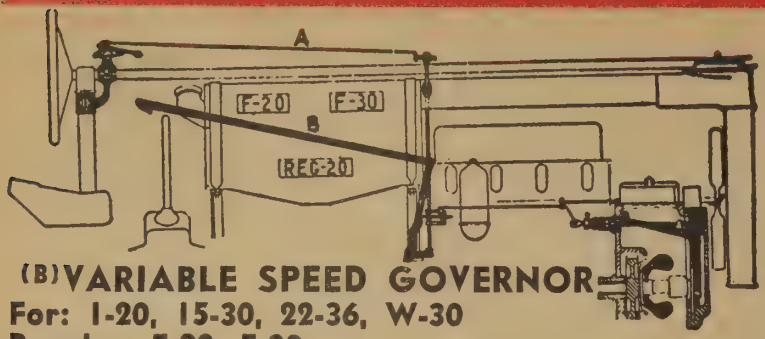
Rear Wheel Inner Bearing Cone 3982.....$3.79 Cup 3920.....$2.85
Rear Wheel Outer Bearing 1934-37 Cone 3383....$2.95 Cup 3320.....$1.65
Rear Wheel Outer Bearing 1938-47 Cone 26882 $2.35 Cup 26820....$1.65

ALLIS CHALMERS RC

Rear Wheel Inner Bearing Cone 395.....$3.19 Cup 394AS.....$2.49
Rear Wheel Outer Bearing Cone 26882.....$2.35 Cup 26820.....$1.65

Buy With Confidence—Your Satisfaction Is Guaranteed on Every Purchase

VARIABLE SPEED GOVERNOR for IHC



(B) VARIABLE SPEED GOVERNOR For: I-20, 15-30, 22-36, W-30 Regular, F-20, F-30

THROTTLE CONTROL ALONGSIDE TANK (Type B in picture)
Give your old IHC tractor the same snap and pep as the late models by installing this popular FLYBALL GOVERNOR CONVERSION! It has been the most popular tractor attachment we have ever sold, and tens of thousands of IHC owners hail it as the best investment they have ever made. Operation is identical to the 1949 edition shown at right except that controls are simplified to reduce the cost. Develops maximum power at your selected engine speed, saving wear and tear on your equipment. Flyball action has full control over the whole speed range of the engine, with wide choice of operating setting. On a Farmall, for example, the range is from 500 rpm to 1350 rpm with adjustment notches about 50 rpm apart.

COMPLETE PARTS—FULL INSTRUCTIONS
Kits are complete with all parts. You get brand new, scientifically balanced ball weights, pins, speed change casting, rocker arm casting with master spring, all control rods with brackets for dash, and all necessary small parts. Full instructions, in pictured details, for installing and adjusting included with each kit.

H-111—FARMALL REGULAR, 1926-31. Models with enclosed governors.
H-112—FARMALL F-20, 1932-38. Serial No. FA501-FA91823
H-113—FARMALL 30, F-30, 1931-38
H-114—McCORMICK DEERING, W-30, 1931-38
H-115—McCORMICK DEERING, 10-20
Kit $12.25
Ship. wt. 9 Lbs.
McCORMICK-DEERING, all 22-36 and 15-30 with enclosed governor 1927-35. Serial Nos. TG50120 and after. New governor sleeve with bearing (1401DDX) is required and supplied in kit for these models.
H-116—Ship. wt. 11 lbs.....**Kit $15.50**

(A) 1949 Governor Snap and Controls For: 1927-39 Farmall Regular, F-20, F-30

THROTTLE CONTROL ON STEERING POST (Type A in picture)
Brand New Features added to a tested and proved Flyball Governor Changeover for these Farmall models. Brings them up to date with instantaneous governor action and controls on the steering column like new models.
Gives a wide open throttle at the operating speed you select, and with maximum power at that speed. Full control over the entire engine speed range with close adjustment notches. Holds motor steady, snaps immediately if more power is needed. No surging or loping as with old style governors.
New 1949 controls provide quadrant and lever right on the steering column as pictured, within easy reach of operator at all times.

COMPLETE PARTS—FULL INSTRUCTIONS
Kits contain all parts to modernize your old IHC governor—scientifically matched ball weights and pins, speed change casting, rocker arm casting with spring, connecting linkage and brackets, main control lever and quadrant parts, together with pictured installation instructions. Ship. wt. 11 lbs.

CONTROL HANDLE MOUNTS ON STEERING COLUMN.
Full Throttle Action Over Entire Speed Range.
Governor Parts Kit Complete with Controls.
For Farmall F-20, 1932-38. Stk. No. H-132.....
For Farmall F-30, 1931-39. Stk. No. H-133.....
For Farmall Regular, 1927-31 with enclosed governor. Stk. No. H-131.....
$16.95

REPAIR KITS FOR HEISLER GOVERNORS

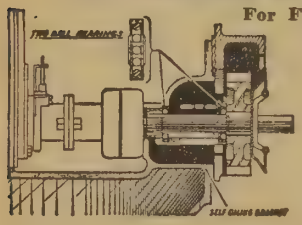
Thousands of Variable Speed Governors have been installed on IHC tractors, many of them now having 10 years of service. If you have one of our Heisler Governors, and time has dulled the snap and pep of its performance, these kits contain parts necessary for complete overhaul. New, latest type matched ball weights with pins, new rocker arm casting with springs, as pictured.

For Farmall Regular, F-20, F-30, W-30. **Stk. No. H-121** 2 lbs.
For IHC McCormick Deering 10-20.....**Stk. No. H-122** 2 lbs. **$4.75**
For IHC McCormick Deering 15-30, 22-36 **Stk. No. H-123** 2 lbs.

CHANGEOVER from IHC THROTTLE TYPE GOVERNOR

1938 and 1939 IHC tractors generally were equipped with the IHC throttle type governor, and many earlier models were converted. If your tractor has one of these governors (you can tell by the Half-Moon shaped weights) you cannot use our automatic variable speed improved governor without first converting your tractor.
Stk. No. H-333.
Ship. wt., 7 lbs..... **$11.60**
Order this kit and a throttle governor from the listing at top of page.

BALL BEARING GOVERNOR SHAFT BRACKET



For Farmall Regular, F-20, F-30, W-30, 10-20. Complete assembly consists of new governor bracket, new shaft with weight carrier, new ball bearings, and oil flinger.

END REPLACEMENT WORRIES
The new ball bearing shaft runs smooth and true and overcomes the old end lash which hindered snappy governor action. Self oiling and greasing and will last the life of the tractor.
Stk. No. H-300.
Ship. wt., 15 lbs. Kit..... **$16.50**

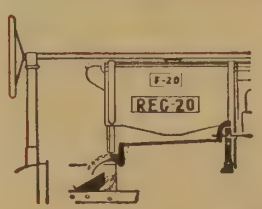
NEW GOVERNOR SHAFTS FOR IHC

Governor shafts are complete with weight carrier and shield as pictured. Shaft is ground and hardened for long service. When replacing shaft, be sure to include new Bronze Bushings and Governor Sleeve and Bearing listed below.
SHAFT for FARMALL Regular; IHC 10-20, 15-30, 22-36. Fits all 1924-31 models. Repl. IHC 4240DAX. **Stk. No. T-301**—Wt. 3 lbs. **Each $2.95**
BRONZE BUSHING for above shaft. Standard size.
Stk. No. N-119—Shpg. wt., ⅜ lb.....**Each 59c**
BUSHING .010 undersize for worn shaft. **Stk. No. N-120**.....**59c**
GOVERNOR SHAFT for FARMALL F-20, F-30, 1932-38. Shaft complete with weight carrier and shield. Repl. IHC 1722ODX. **Stk. No. T-302**—Wt. 3 lbs.....**Each $2.95**

GOVERNOR SLEEVE and BEARING

For Farmall Regular, F-20, F-30, W-30, and 10-20 with enclosed type governor. Bronze casting, machined, with ball bearing as used on governor shaft. Replaces IHC 1401DDX.
Stk. No. 8A57. 1 lb.....Each. **$4.25**

FOOT THROTTLE for Farmall Reg., F-20, F-30



If Equipped with Our Variable Speed Governor (A) Above Only

New patented Foot Throttle Attachment designed to work with either of our Throttle Type governors listed on this page—cannot be installed unless governor has been installed.
Kit contains foot pedal, foot rest, brackets and connecting linkage, with instructions. Operates like the foot feed on cars and trucks.

KITS COMPLETE, Ready to Install.
For Farmall Regular.....Stk. No. H-151
For Farmall F-20.....Stk. No. H-152
For Farmall F-30.....Stk. No. H-153
$7.85

AUTOMATIC IDLING CONTROL for Farmall H and M DEERE A and B, FORD

Easily installed attachment connects clutch pedal to carburetor butterfly so when clutch is depressed motor idles, then returns to governed speed when again engaged. Eliminates hand throttling and racing engine, saves wear and tear on machinery, simplifies turning and conserves fuel.

7A85—For DEERE "B". Nos. below 201,000. Ship. wt. 2 lbs.....**Kit $2.95**
7A84—For DEERE "A". Nos. below 584,000. Ship. wt. 2 lbs.....**Kit $2.95**
7A81—For FORD (Ferguson), 1939-46. Ship. wt. 2½ lbs.....**Kit $4.75**
7A82—For IHC Farmall "H", all years. Ship. wt. 2½ lbs.....**Kit $5.95**
7A83—For IHC Farmall "M", all years. Ship. wt. 3½ lbs.....**Kit $5.95**

GOVERNOR CONTROLS FOR "H" AND "M"

CONTROL HANDLE, repl. IHC 51348DBX.
Stk. No. 8A54. 4 oz..... **37c**
CONTROL PLATE, repl. IHC 51351DBX.
Stk. No. 8A55. 7 oz..... **85c**

GOVERNOR BALL WEIGHTS for "H", "M"

Replaces IHC part 45655D. 2 used on each tractor.
Stk. No. 8A58—Ship. wt. ¾ lb.....**Each 95c**

Regardless of Size, All Mail Orders Are Shipped Within Six Hours

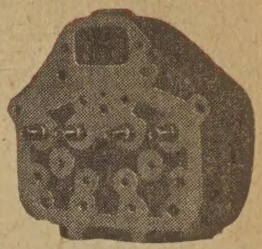
HIGH COMPRESSION Cylinder Heads

For Farmall Regular & F-20 — John Deere A and B

MODERNIZE YOUR TRACTOR PERFORMANCE

- GET HIGH COMPRESSION RESULTS WITHOUT CHANGING PISTONS
- PLOW IN THE NEXT HIGHER GEAR
- SAVE TIME AND FUEL

Thousands of owners of IHC Farmall Regular and F-20, John Deere A and B tractors have converted to gasoline fuel with its many advantages. New models are offering increased compression ratios with better performance. Now you can modernize your older tractor to get full benefits from gasoline. Increase compression equivalent to 8000 with original type pistons.



HEADS ARE COMPLETE WITH NEW TYPE VALVES

Each cylinder head is pressure tested, shipped complete with new improved valves, guides, springs and keys, and gaskets, together with complete pictured installation instructions.

DO NOT USE WITH "HIGH COMPRESSION" PISTONS

These heads are designed for original standard type pistons and will not permit use of pistons with raised heads, "altitude" types. Note recommendation regarding use of special cold manifolds.
CYLINDER HEADS ARE NOT SHIPPED PREPAID. Prices shown are complete, F.O.B. our warehouses.

For FARMALL REGULAR and F-20, 1927-39

Cylinder Head is Same for All Years—Note manifolds listed below. Head is complete with valve assemblies and gasket, ready to install. Gives equivalent of 8000' compression for extra power with gas.

HEAD COMPLETE—For Regular and F-20, 1927-39. Stk. No. H-501. 130 lbs. **$84.50**

MANIFOLD for F-20, 1932-39. Stk. No. H-212. 36 lbs. $17.25

MANIFOLD for Regular, 1927-31. Stk. No. H-211. 36 lbs. $16.95

For JOHN DEERE A & B

Pull an extra plow, or plow in the next higher gear. Modernize compression like the late models. Check your serial number carefully before ordering.

Cylinder heads are designed to work only with the manifolds shown below. These are extra cold for high compression heads only.

For Model "B"

HEAD for B, serial nos. 1,000 to 59,999. Stk. No. H-522. 68 lbs. **$46.95**

HEAD for B, serial nos. 60,000 to 94,999. Stk. No. H-524. 68 lbs. **$46.95**

HEAD for B, serial nos. 95,000 to 190,000. Stk. No. H-523. 75 lbs. **$49.95**

MANIFOLD—Extra Cold for use with either of above Heads. Stk. No. H-251. 25 lbs. **$12.25**

For Model "A"

HEAD for A, serial nos. below #487,999. Stk. No. H-520. 100 lbs. **$59.95**

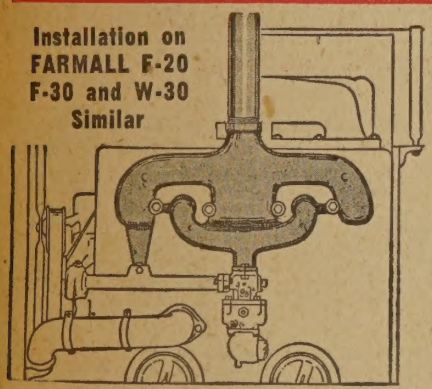
MANIFOLD for above head only, extra cold. Stk. No. H-254. 25 lbs. **$12.75**

HEAD for A, serial nos. 488,000 to 574,000. Stk. No. H-521. 108 lbs. **$61.50**

MANIFOLD for above head only, extra cold. Stk. No. H-255. 25 lbs. **$12.95**

INCREASED POWER WITH A COLD GAS MANIFOLD

Installation on FARMALL F-20 F-30 and W-30 Similar



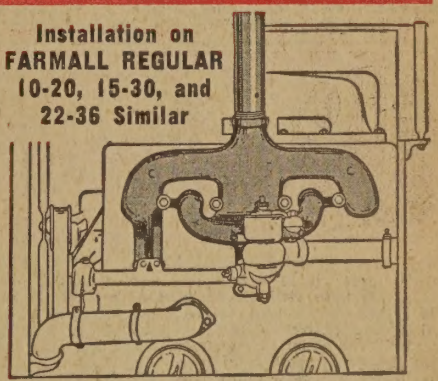
FOR PROPER GASOLINE VAPORIZATION

Modern gasolines are highly volatile and require less heat for proper vaporization. Old style manifolds provide much more fuel pre-heating and do not permit full use of the extra power in gasoline. These new cold type manifolds are designed for gasoline operation, fit the block exactly, and are easily installed. Complete with instructions.

UP TO 20% MORE POWER

Users report that the installation of our cold manifold greatly increases tractor power, easier starting with a hot motor, improved idling, faster governor action and smoother pulling power, with less carbon and sludge, and with extra hours of work out of every tank full of gas. Manifolds are supplied ready to install without machining, complete with instructions and manifold gasket.

Installation on FARMALL REGULAR 10-20, 15-30, and 22-36 Similar



FOR BETTER PERFORMANCE and GREATER ECONOMY WITH GASOLINE

For IHC McCORMICK-DEERING

FARMALL REGULAR, All 1927-31 Models With Enclosed Governor. Stk. No. H-211. 35 lbs. **$16.95**

FARMALL F-20, All 1932-39 Models Using Zenith Carburetors. Stk. No. H-212. 36 lbs. **$17.25**

MANIFOLD COVER for Above. Prevents trash accumulating and makes starting easier in cold weather. Stk. No. H-312. 6 lbs. **$2.85**

FARMALL F-30, IHC W-30, All 1931-39 Models. Stk. No. H-213. Ship. wt. 45 lbs. **$19.35**

McCORMICK DEERING 10-20, All 1927-35 with Enclosed Governor. Stk. No. H-215. 47 lbs. **$19.85**

McCORMICK DEERING 15-30, 1927-28 Models with Enclosed Governor. Stk. No. H-216. 50 lbs. **$21.95**

McCORMICK DEERING 22-36, All 1929-35 Models. Stk. No. H-217. Ship. wt. 51 lbs. **$22.95**

INSTALL A NEW MUFFLER WITH YOUR MANIFOLD

The 5 Manifolds listed above for IHC have upright exhaust outlet pipes and use our Muffler 28A3. See muffler page.

For JOHN DEERE "A" and "B"

"B", All 1934-47, Serial Nos. B-1000 to B-190,000. Stk. No. H-251. Ship. wt. 25 lbs. **$12.25**

"A", All 1934-40, Serial Nos. 410,000 to 487,999. Stk. No. H-252. Ship. wt. 25 lbs. **$12.75**

"A", All 1940-47, Serial Nos. 488,000 to 574,000. Stk. No. H-253. Ship. wt. 25 lbs. **$12.75**

For IHC McCORMICK-DEERING

Following Cold gasoline manifolds for IHC include special increased power carburetor kit to give proper vaporization of gasoline fuel. Kit contains new needle valve and seat, and new venturi to install in your old carburetor, to convert for gasoline operation.

FARMALL F-20, All 1932-39 Models Using Zenith Carb. Stk. No. H-212X. With carb. kit. 30 lbs. **$19.95**

FARMALL F-30, IHC W-30, All 1931-39 Models. Stk. No. H-213X. With carb. kit. 45 lbs. **$22.95**

FARMALL F-12, F-14, W-12, 1934-39. Stk. No. H-218. With carb. kit. 19 lbs. **$15.95**

FARMALL "H", W-4, 1940-48. With carburetor kit. Stk. No. H-223. 25 lbs. **$19.85**

FARMALL "M", W-6, 1940-48. With carburetor kit. Stk. No. H-224. 31 lbs. **$21.95**

INSTALL A NEW MUFFLER WITH YOUR MANIFOLD

See Muffler Page. Manifold H-218 uses our 28A2; Manifolds H-223 and H-224 use 28A5; H-212 and H-213 use 28A3.

For ALLIS CHALMERS "WC"

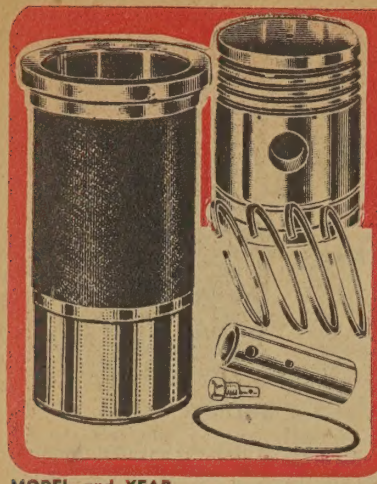
Fits All 1934-47 "WC" Models. State Year and serial number when ordering. Stk. No. H-261. 27 lbs. **$14.55**

For OLIVER "70" 6 CYL.

"70" 1934-37 using large (1¼") Zenith Carburetor. Stk. No. H-271. Intake manifold only. 18 lbs. **$13.90**

"70" 1938-48 using small (1") Zenith Carburetor. Stk. No. H-272. Intake manifold only. 18 lbs. **$13.90**

You Will Always SAVE When You BUY From TRACTOR SUPPLY



NEW Precision MATCHED SLEEVES

WE PAY SHIPPING CHARGES TOO! See Page 3

SAVE on FUEL and OIL

Worn sleeves and pistons make operating costs excessive and all tractor operations more difficult and time consuming. If your tractor uses too much oil, or if it has lost its power and pep, re-sleeve before next field work with a Precision Quality Matched Set.

Our huge sleeve volume permits lower costs, and our prices represent substantial savings compared to regular dealers list prices. And our freight prepayment plan (read page 3) eliminates "extras." Compare our prices and ask your neighbors about our quality before you buy your next set of sleeves and pistons.

YOUR CHOICE OF TYPES

The design of many motors permits the use of raised head (high compression) pistons. A small increase in the piston height makes a big difference in the compression ratio. In the column "Type and Fuel" you will find the equivalent altitude, Standard, 5000', or 8000' and corresponding fuels.

5000' types average about 15% increase in compression ratio—8000' types about 25%. Used with recommended fuels, benefits of 25% or more may be realized in actual power output, speed and flexibility, with better upper cylinder lubrication and ring life.

For J. I. CASE

MODEL and YEAR	Type and Fuel	Stk. No.	List Price	OUR LOW PRICE
Y, VC, VO (Continental F-124) 1939-42, 3" flat head piston for gasoline	5000' H-C Gasoline	S-18	$34.80	**$27.50**
R, RC, Combines C, K, 1935-42, 3¼", for sleeved motor only	5000' H-C Gasoline	S-19	$43.60	**$32.95**
S, SC, SO, Combine V, 1940-47, 3½" bore. Flat head 4 ring pistons	5000' H-C Gasoline	S-17	$42.00	**$28.50**
C, CC, D, DC, 1929-47, Combine P, 3⅞". 4 ring flat head pistons. Use also with high compression head on late D, DC for gasoline fuel.	Standard Dis. or Ker.	S-12	$46.00	**$33.50**
C, CC, D, DC, 1929-47, Combine P, 3⅞". 4 ring raised head pistons. Not for D, DC with hi-comp. cyl. head	5000' H-C Gasoline	S-15	$50.00	**$34.95**
L, LA, 26-40, 1928-47, 4⅝" bore. 4 ring flat head pistons	Standard Dis. or Ker.	S-13	$60.00	**$42.95**
L, LA, 26-40, 1928-47, 4⅝" bore. 4 ring raised head pistons	5000' H-C Gasoline	S-16	$64.00	**$42.95**
A, 12-20, Early Combines, 4⅛" bore. Original type pistons	Standard Dis. or Gas	*S-11	$48.00	**$39.95**
K, 15-27, 18-32, 4½" bore, original flat head type pistons	Standard Dis. or Gas	*S-14	$54.00	**$42.50**

For OLIVER (HART-PARR)

MODEL and YEAR	Type and Fuel	Stk. No.	List Price	OUR LOW PRICE
60, 60 HC, 60 Standard, 4 cylinder, 3 5/16" flat head piston	5000' H-C Gasoline	*S-95	$40.00	**$27.95**
70, 70 HC, Row Crop, 6 cylinder, 3⅛" also for converting 70KD to gas. Late type pistons (set of 6)	5000' H-C Gasoline	S-91	$52.50	**$38.95**
18-27, 18-28, Std. Row Crop, 1930 38. Original type 4⅛" pistons	Standard Dis. or Gas.	S-93	$48.00	**$35.95**
80 HC Std., 80 HC Row Crop, 4¼" bore, also fits 18-28 to increase bore to 4¼". F.H. 4 ring pistons	5000' H-C Gasoline	S-94	$52.00	**$39.95**
80 KD Std. 80 KD Row Crop, 4½" bore, concave head, 4 ring pistons	Standard Dis. or Ker.	*S-96	$54.00	**$39.95**
80 KD Std., 80 KD Row Crop. 4½" bore for converting to gasoline fuel	5000' H-C Gasoline	*S-97	$54.00	**$39.50**
A, 28-44, 90, 99, Road Grader, 4¾". F.H. piston, 2 1/8" comp. dist.	Standard Dis. or Gas.	*S-92	$56.00	**$42.50**

For MINN. MOLINE (TWIN CITY)

12-20, 17-28, 1919-34, 4¼" bore. 4 ring flat head pistons	Standard Dis. or Gas	S-31	$54.00	**$38.95**

HIGH COMPRESSION CHANGEOVER KITS

ADVANTAGES OF HIGH COMPRESSION

Most tractors built before 1940 were equipped with low compression pistons designed to burn distillate or keorsene as fuel. In recent years gasoline has proved its superiority for farm use, offering increased power, less crankcase dilution, and all around better performance with rubber tires and faster tractor speeds. Old superstitions about excess strain on rod bearings and the like have disappeared. For proper combustion of gasoline-air vapor, and to secure maximum power from the more volatile gasoline fuel, a higher compression ratio is desirable. This can be achieved in many tractors by installing pistons with raised heads to pack the fuel-air mixture tighter in the combustion chamber for increased power on the fire stroke.

COMPLETE PARTS TO CONVERT TO H-C

Precision High Compression Sleeve Kits are designed to provide the necessary parts to overhaul your engine and to install high compression pistons. Each kit contains a complete set of high compression (high altitude) sleeves with matched pistons and rings as described separately on these pages. Also included are complete valve set containing Superchrome exhaust valves, intake valves, guides, and springs—a set of cold spark plugs for gasoline fuel—and a set of motor gaskets. Cold manifolds are listed elsewhere in this catalog.

For Allis Chalmers WC, 1934-39 before serial number W-84246.
5000' iron pist. Stk.No.SX57..**$41.95**
8000' alum. pist. Stk.No.SX56..**43.75**

For Allis Chalmers WC, 1940-47 after serial number W-84247.
5000' iron pist. Stk.No.SX57A..**41.95**
8000' alum. pist. Stk.No.SX56A**43.75**

For Case C, CC, D, DC with standard comp. cyl. head.
5000' pistons. Stk.No.SX-15.....**46.75**

For Case L, LA, 4⅝"
5000' pistons. Stk.No.SX-16.....**56.25**

For IHC Farmall F-30, W-30
5000' pistons. Stk.No.SX-6A.....**49.45**
8000' pistons. Stk.No.SX-4A.....**51.00**

For IHC Farmall F-12, F-14
5000' pistons. Stk.No.SX-9.....**34.95**
8000' (F12 only).Stk.No.SX-10.**36.50**

For Farmall Regular & F-20
5000' pistons. Stk.No.SX-2.....**41.95**
8000' pistons. Stk.No.SX-3.....**43.75**

For IHC 10-20, 1923-32
5000' pistons. Stk.No.SX-6.....**49.45**
8000' pistons. Stk.No.SX-4.....**51.00**

For IHC 15-30, 1921-28
4½" 5000' pist. Stk.No.SX-21...**54.95**
4¾" 5000' pist.Stk.No.SX-26....**57.95**

For IHC 22-36, 1929-35
5000' pistons.Stk.No.SX-24.....**56.45**
8000' pistons. Stk.No.SX-25.....**58.45**

SLEEVE OVERHAUL for FORD

Heavy Duty Replacement Sleeve and Piston Set for Ford Tractors

All 1939-46 Ford Ferguson and 1947-48 Ford Dearborn. Specifications show some blocks had no sleeves, while others had thin steel type sleeves. This is a heavy duty grey iron replacement sleeve assembly which can be installed in any Ford block to overcome block wear, warpage, high oil waste, or extreme power loss. Each assembly consists of grey iron sleeve, fully machined, with New alloy 4-ring piston (one ring below pin), full set of improved rings, and standard pin fitted. To install, block must be bored out to 3⅜" (3.375) and new sleeves pressed in.

Stk.No.S-109—FULL SET for All 4 Cylinders, with installation instructions..... **$22.95**

PISTONS for DEERE

New cast iron pistons, fully machined, new standard size piston pins fitted, complete with wide groove oil rings and high tension compression rings. Pistons for model "B" series are 4 ring type. Pistons for "A" and "D" series are 5 ring type.

Available in standard size for blocks not rebored, and in standard oversizes for blocks that have been rebored. Be sure to state exact oversize required since pistons are machined to order and are not returnable if you order the wrong oversize.

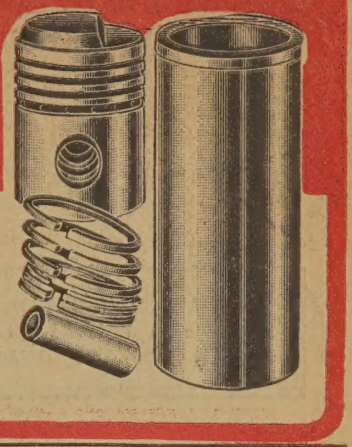
Shipped direct from factory near St. Paul, Minnesota, shipping charges prepaid. Allow 10 days extra on your order.

For "B" 1934-39, serial numbers below 59,999. 4½" bore. Stk.No.S-201 ..... PER PAIR	**$11.95**
For "B" 1939-40, ser. nos. 60,000 to 95,999. 4½" bore. Stk.No.S-202 ..... PER PAIR	**$11.95**
For "B" 1941-46, ser. nos. 96,000 to 201,000. 4½" bore. Stk.No.S-203 ..... PER PAIR	**$11.95**
For "B" 1947-48, ser. nos. 209,000 and up, 4 1/16", gasoline. Stk.No.S-204 ..... PER PAIR	**$12.95**
For "A" 1933-39, serial numbers below 487,999. 5½" bore. Stk.No.S-206 ..... PER PAIR	**$16.95**
For "A" 1940-46, ser. nos. 488,000 to 551,999. 5½" bore. Stk.No.S-207 ..... PER PAIR	**$16.95**
For "A" 1947-48, ser. nos. 552,000 and up. 5½", gasoline. Stk.No.S-208 ..... PER PAIR	**$17.95**
For "D" 1928-46, ser. nos. 53,388 and up. 6¾" bore, standard and oversizes to .125 only. Stk.No.S-210....PER PAIR	**$26.75**
For "D" 1928-46, ser. nos. 53,388 and up. 6¾" bore. Oversizes above .125 only. Stk.No.S-211....PER PAIR	**$28.50**

CONNECTING ROD BUSHINGS and CRANKSHAFT BEARINGS . . . . Page 34

You Can Be Sure of Extra Fast Service When You TELEPHONE or TELEGRAPH

& PISTONS for ALL POPULAR Tractors



SAVE up to 40% of MANUFACTURER'S LIST PRICE

PRECISION MATCHED SETS

ecision Quality Sleeves and Pistons Are Sold ly in Matched Sets—Ni-chrome alloy sleeve ers, fully machined pistons with standard e hardened piston pins, concentric high ten- n piston rings with wide groove oil control s, and rubber packing rings (except on Wal- d Twin City).

as are carefully balanced in sets for uni- high performance, and are expansion fitted sleeves to retain full compression power. Sets complete for the tractor motors as listed low, all 4 cylinders except for a few six linder units as shown.

NI-CHROME ALLOY CASTINGS

Precision Quality Sleeve Sets are vertically cast of controlled alloy chrome nickel iron. Vertical casting provides uniform structure so desirable for upper cylinder lubrication, and are uniformly hard all around and free from sponge spots.

All fitting and wearing surfaces are ground, finished, and honed for precision tolerances. Sleeve liners fit the block exactly, and pistons are fitted to sleeves to allow heat expansion while providing a snug compression fit for years of hard service. Rings are coated for safe and quick break-in.

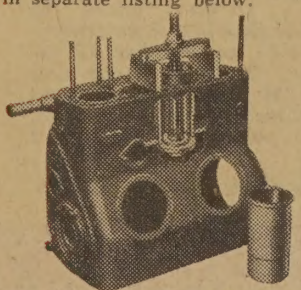
*Not Stocked in All Branches

MODEL and YEAR	Type and Fuel	Stk. No.	List Price	OUR LOW PRICE
For McCORMICK-DEERING				
F-12, W-12, F-14, 1933-39, 3" bore. 5 ring flat head piston	Standard Distillate	S-7	$34.80	$24.50
F-12, W-12, 1933-38, 3" bore. 5 ring raised head piston	5000' H-C Gasoline	S-9	$34.80	$25.50
F-12, W-12, 1933-38, 3" bore. 5 ring super piston for extra comp.	8000' H-C Prem. Gas.	S-10	$36.00	$26.95
F-14, W-14, 1938-39, 3" bore. 5 ring stepped head piston	5000' H-C Gasoline	S-9	$34.80	$25.50
Farmall Regular, F-20, 1924-39, 3¾". 4 ring flat head piston	Standard Distillate	S-1	$46.20	$29.50
Farmall Regular, F-20, 1924-39, 3¾". 4 ring raised head piston	5000' H-C Gasoline	S-2	$46.20	$29.95
Farmall Regular, F-20, 1924-39, 3¾". Super raised head piston	8000' H-C Prem. Gas.	S-3	$50.00	$31.95
10-20, F-30, W-30, 1923-29, 4¼" bore. 4 ring flat head piston	Standard Distillate	S-5	$56.10	$36.50
10-20, F-30, W-30, 1923-39, 4¼" bore. 4 ring dome head piston	5000' H-C Gasoline	S-6	$56.10	$37.75
10-20, F-30, W-30, 1923-39, 4¼" bore. Extra high flat head piston	8000' H-C Prem. Gas.	S-4	$59.00	$38.95
A, AV, B, Power Unit U-2, 3" bore. Flat head piston	5000' H-C All Fuels	S-60	$34.80	$24.50
A, AV, B, Power Unit U-2, 3" bore. ⅝" stepped head piston	8000' H-C Prem. Gas.	S-65	$36.00	$25.50
W-4, I-4, Power Unit U-4, 3⅜". Flat head piston	5000' H-C All Fuels	S-61	$39.60	$27.95
W-4, I-4, Power Unit U-4, 3⅜". Stepped piston (not for H-C head)	8000' H-C Prem. Gas.	S-64	$42.00	$29.95
W-6, T-6, Power Unit U-6, 3⅞". Flat head piston	5000' H-C All Fuels	S-62	$46.20	$35.95
W-6, T-6, Power Unit U-6, 3⅞". Stepped piston (not for H-C head)	8000' H-C Prem. Gas.	S-63	$48.40	$37.95
iesels MD, WD6, TD6, Power Unit UD6, 3⅞" bore. Alloy pistons	Diesel	*S-67	$108.90	$74.50
-9, I-9, T-9, Power Unit U-9, 4.4" Flat head piston	5000' H-C All Fuels	*S-66	$65.40	$49.95
iesels WD9, OD9, TD9, Power Unit UD9, 4.4" bore. Alloy pistons	Diesel	*S-68	$116.00	$83.50
5-30, 1921-28, 4½" bore. Flat head pistons like original equipment	Standard Distillate	S-20	$77.00	$39.95
5-30, 1921-28, 4½" bore. Raised head pistons for high compression	5000' H-C Gasoline	S-21	$77.00	$40.95
5-30, 1921-28, changeover to 4¾" flat head pistons to increase power	Standard Distillate	S-22	$77.00	$41.95
30, 1921-28, changeover to 4¾" ised pistons to increase power	5000' H-C Gasoline	S-26	$77.00	$43.95
6, 1929-35, 4¾" bore. at head pistons like originals	Standard Distillate	S-23	$77.00	$41.95
6, 1929-35, 4¾" bore. ed head pistons for high comp.	5000' H-C Gasoline	S-24	$77.00	$42.95
1929-35, 4¾" bore. ra high flat head pistons	8000' H-C Prem. Gas.	S-25	$77.00	$44.95
40, T40 to increase bore to 3¾" /40, WK40, TracTractor T-40, wer Unit PA50, U21. Bevel head, of 6	5000' H-C Gasoline	*S-27	$77.00	$49.95
For WAUKESHA ENGINES				
engine as used on many farm chines, 4⅛" bore, 2⅞" comp.	Standard Dis. or Ker.	S-93	$48.00	$35.95
M engine as used on many farm machines. 4¼" bore, 2⅞" comp.	5000' H-C Gasoline	S-94	$52.00	$39.95
X engine, 4½" bore, concave head pistons. 2⅞" comp. dist.	Standard Dis. or Ker.	*S-96	$54.00	$39.95
XX engine, 4½" bore, flat head pistons, 2⅞" compression distance	5000' H-C Gasoline	*S-97	$54.00	$39.50

MODEL and YEAR	Type and Fuel	Stk. No.	List Price	OUR LOW PRICE
For ALLIS-CHALMERS				
B, IB, B-15, 1938-42, 3¼" bore. Concave head, 4.8 to 1 ratio	Standard Distillate	S-51	$36.00	$25.50
B, IB, B-15, 1938-42, Increase bore to 3⅜". Concave, 5.0 to 1	Standard Distillate	S-58	$36.00	$25.95
B, IB, B-15, 1938-42. Increase bore to 3⅜". Flat head, 5.7 to 1	5000' H-C Gasoline	S-59	$40.00	$26.50
RC, C, Combine 60 H, 1941-47, 3⅜". 4 ring, flat head, 5.7 to 1	5000' H-C Gasoline	S-59	$40.00	$26.50
W, WC, WF, W-25, 1933-47, 4" bore. 4 ring, concave head, 4.2 to 1	Standard Distillate	S-55	$40.00	$29.95
W, WC, WF, W-25, 1933-47, 4" bore. 4 ring flat head iron piston	5000' H-C Gasoline	S-57	$44.00	$30.95
W, WC, WF, W-25, 1933-47, 4" bore. 4 ring aluminum alloy pistons	8000' H-C Gasoline	S-56	$44.00	$32.95
U, UC, M, U-40, 1936-42, 4½", also early U, UC, to increase power. 5 ring, concave head, 4.7 to 1	Standard Distillate or Gasoline	*S-53	$43.80	$38.95
E, 18-30, K, 20-35, 1929-34, 4¾". Original type 4 ring pistons	Standard Dist. or Gas.	*S-52	$68.00	$53.95
E, 18-30, K, 20-35, before engine K2670 to increase bore to 5". E, K, 35, 25-40 nos. K2670 to 8330	5000' H-C Gasoline	*S-49	$66.40	$51.95
EK, 35, 1935-42; also A, 1936-42 to increase bore to 5". Flat head	5000' H-C Gasoline	*S-54	$66.40	$52.50
EK, WK, 35, Monarch 50, L, Power Unit L90 after engine No. K8331. Sleeve grooved for two packing rings	Standard Dist. or Ker.	*S-48	$74.00	$55.50
For MASSEY HARRIS (WALLIS)				
12-20, Certified, Challenger, Pacemaker 1930-38, 3⅞" piston for gasoline. Twin Power Challenger, T.P., Pacemaker, Bevel head piston, 2⅞₂"/comp. dist.	5000' H-C Gasoline	S-42	$52.00	$36.95
20-30, Certified, to Tractor No. 69000. Can be installed in K, OK, to use 4⅜" pistons	Standard All Fuels	S-41	$52.00	$39.95
25, 26-41, after Tractor No. 69000. Flat head pistons, 4⅜" bore	Standard All Fuels	*S-44	$48.00	$39.95

SLEEVE PULLER

Disc type heavy duty puller that will pull loose the tightest stuck sleeve. Tremendous leverage, thrust bearing equipped for smooth action. Disc fits under bottom of sleeve for full 360° pull. Hardened, rustproof finish. Discs are Precision machined, fit individual tractors as shown in separate listing below.



PULLER—Complete with any 1 size disc. Specify which wanted from listing below. **Stock No. 20A91.** 30 lbs. **$11.95**

PULLER—Complete with full set of 6 discs, 1 each size as listed below. **Stock No. 20A90.** 35 lbs. **$15.95**

INDIVIDUAL DISCS ONLY

3¼" Size—Fits IHC models F-12, F-14, Farmall A, B, etc. **Stock No. 20A92.** Each **$1.10**

3½" Size—Fits IHC Farmall H, W-4, etc. **Stock No. 20A93.** Each **$1.10**

4⅛" Size—Fits IHC Farmall Regular, F-20, Farmall M; Case C, CC, D, DC, etc. **Stock No. 20A94.** Each **$1.10**

4⅜" Size—Fits Allis Chalmers "WC" and others with 4 and 4⅛" pistons. **Stock No 20A95.** Each **$1.10**

4¹¹⁄₁₆" Size—Fits IHC 10-20, F-30, W-30; Wallis 20-30, etc. **Stock No. 20A96.** Each **$1.10**

5" Size—Fits IHC 15-30, 22-36; Case L, LA; Hart Parr 80HC, 80KD, etc. **Stock No. 20A97.** Each **$1.10**

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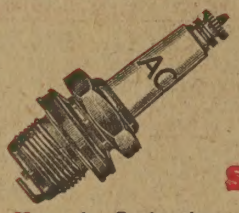
Slip-Joint

PLIERS

A remarkable value at our low price! Highly polished mirror finished pliers made of high grade alloy steel. Case hardened jaws for positive grip. Be sure to include a couple of pair in your order!

Stk. No. 3E52—Wt. 6 oz.....Ea. **98c**

Other Tool Values on Pages 26 & 27



Brand New
Genuine
"AC"

SPARK PLUGS

Here is Springtime Pep and Power for your tractor engine! A special purchase of Genuine "AC" Plugs allows us to offer them to you at rock bottom price.

FIT: IHC 1923-39, F-12, F-14, F-20, F-30, W-30. Reg. 10-20, 15-30, 22-36. CASE C, CC. L. DEERE A & B prior to 1940 and others.

SP-9—7/8" thread, small hex, COLD for gas
SP-10—7/8" thread, small hex, HOT for fuel

Set of 4 "AC" Spark Plugs **$1.00**

Other Spark Plugs & Cable P. 32

High Pressure

FARM LUBER

Special Price Stk. No. L-55 **$17.50**

More proof of the lower prices at TRACTOR SUPPLY! One Man Luber develops pressure of 6000 lbs. Handles all usual farm greases. One pull of charging handle fills hose for lubricating 40 to 50 grease fittings. Cover fits on any 25, 35, or 50 lb. grease pail. Order today and save!

Other Lubrication Values P. 21

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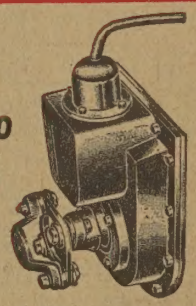
ROAD GEAR

Farmall Reg. & F-20

Special Price..... **$49.95**

Stk. No. 8A101—Reg.
Stk. No. 8A100—F-20



Save more than ever before on the Road Gear you have always wanted! High speed of your tractor is doubled for fast highway travel. Be sure to order yours today at this money-saving price!

Other Road Gears & Transmissions on Page 42

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